Panasonic

Compact Plain Paper FAX

Operating Instructions

Model No. **KX-FP81**

FOR FAX ADVANTAGE ASSISTANCE:
– CALL
1-800-HELP-FAX (1-800-435-7329)
– E-MAIL TO
consumerproducts@panasonic.com
for customers in the USA or
Puerto Rico
– REFER TO
www.panasonic.com
for customers in the USA or
Puerto Rico

Please read these Operating Instructions before using the unit and save for future reference.

Thank you for purchasing a Panasonic facsimile.

Welcome to the world of Panasonic facsimiles.

This product combines facsimile, telephone and copier features to provide you with more efficient office or home use. By utilizing these convenient features, you can maximize the effectiveness of this unit.

Things you should keep record of

Attach your sales receipt here

For your future reference

Date of purchase _____ Serial number _____
(found on the rear of the unit)

Dealer's name and address _____

Dealer's telephone number _____

Caution:

- The Telephone Protection Act of 1991 requires the following information to be clearly stated either at the top or bottom margin of the first message page when transmitting messages via telephone facsimile:
  — Date and time of transmission,
  — Identification of the business, entity or person(s) sending the facsimile, and
  — Telephone number of the business, entity or person(s).
  To program this information into your unit, complete all the instructions on pages 13 to 16.
- Note that the images of copied or received documents will remain on the used ink film. Use discretion when disposing of the used ink film.
- Do not rub or use an eraser on the printed side of recording paper, as the print may smear.
- If you have not applied to the netmoves® service, you will not be able to use the IQ-FAX function (p. 29, 30).

Trademarks

netmoves is a registered trademark of NetMoves Incorporated.
Hammermill® is a registered trademark of INTERNATIONAL PAPER in the United States and/or other countries.
All other trademarks identified herein are the property of their respective owners.

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Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bath tub, wash bowl, kitchen sink, or the like.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. For safety purposes this unit is equipped with a three prong grounded plug. If you do not have this type of outlet, please have one installed. Do not use any type of adaptor plug to defeat this safety feature.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
11. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
13. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
14. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

INSTALLATION

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

WARNING

- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

OTHER INFORMATION

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of this unit.
- Do not touch the plug with wet hands.

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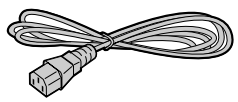
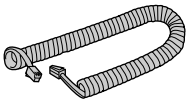
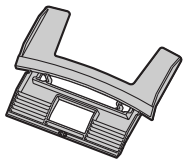
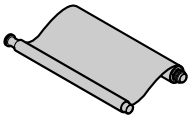
Included accessories

Power cord.....1  Part No. PFJA1030Z	Telephone line cord...1 Part No. PQJA10075Z	Handset.....1 Part No. PFJXE0805Z	Handset cord.....1  Part No. PFJA1029Z
Paper tray .....1  Part No. PFKSxxxxZ1	Ink film.....1 (complimentary test ink film)  —The ink film is pre-installed.	A4 paper guide.....1 Part No. PF	Operating instructions...1 Part No. PFQX1421Z

- If any items are missing or damaged, check with the place of purchase.
- The part numbers listed above are subject to change without notice.
- Save the original carton and packing materials for future shipping and transportation of the unit.

For fax advantage assistance, call 1-800-435-7329.

Accessory order information

- The complimentary test ink film is 10 meters (32½′) long.
  We recommend that you buy full size replacement film – 50 meters (164′) for continuous use of your unit.
  For best results, use genuine Panasonic replacement film Model No. KX-FA53 or KX-FA55.
- To install legal size recording paper, use a legal paper tray Model No. KX-FA50 (p. 10).

To order

Telephone: Call 1-201-348-7292.

Fax: Send a fax to 1-877-375-4020.
Include:
–your name, shipping address and telephone number,
–credit card type, number, expiration date and your signature,
–order part number and quantity.

Via the Internet: Visit our web site: http://www.panasonic.com/store
(for customers in the USA or Puerto Rico ONLY)

- If you have any questions regarding accessory orders, please contact us at this E-MAIL ADDRESS: panasonicdirect@panasonic.com
  (for customers in the USA or Puerto Rico ONLY)
  or call us at: 201-348-7292

Model No.	Item	Specifications / Usage
KX-FA53	Replacement film	1 roll – 216 mm x 50 m (8½″ x 164′)
KX-FA55	Replacement film	2 rolls – 216 mm x 50 m (8½″ x 164′)
KX-FA50	Legal paper tray	To install legal size recording paper.

Note:

- **The ink film is not reusable. Do not rewind and use the ink film again.**

Help Button/Finding the Controls

Help function

You can print a quick reference for assistance as follows.

1 Press **HELP**.

Display: `ROTATE ↻ & SET`

2 Rotate **JOG DIAL** until the desired item is displayed.

1. How to set the date, time, your logo and fax number

   `1.QUICK SET UP`

2. How to program the features

   `2.FEATURE LIST`

3. How to store names in the JOG DIAL directory and how to dial them

   `3.JOG-DIAL`

4. Help with problems sending/receiving faxes

   `4.FAX SND/RCV`

5. How to use the copier function

   `5.COPIER`

6. Frequently asked questions and answers

   `6.Q and A`

7. Explanation of error messages shown on the display

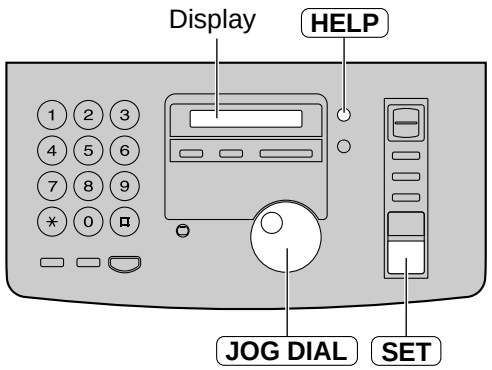
   `7.ERRORS`

8. List of available reports

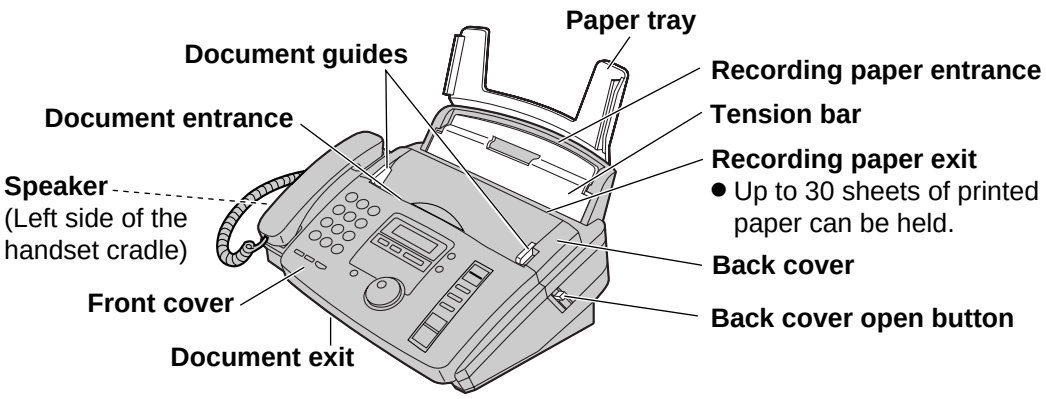
   `8.REPORTS`

3 Press **SET**.

`PRINTING`



Overview

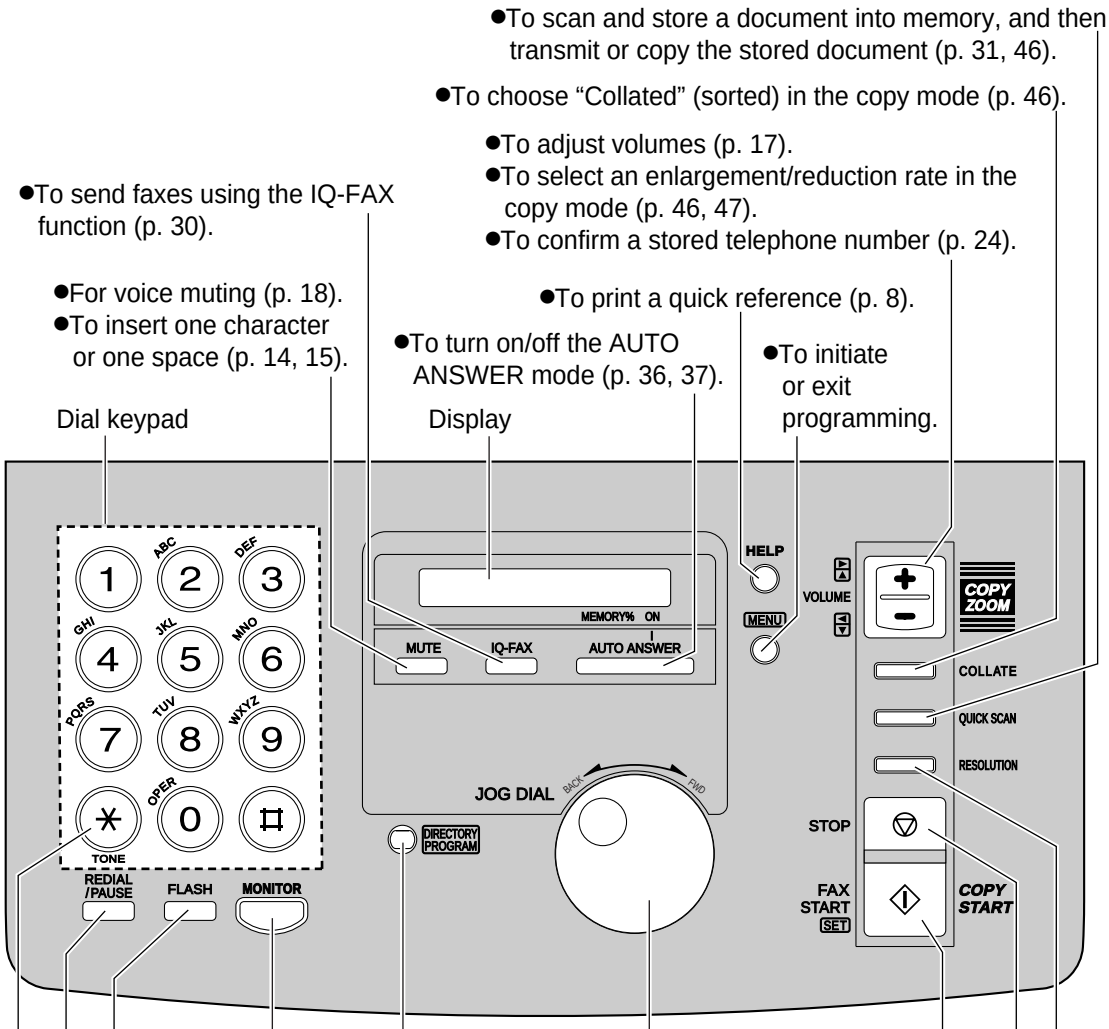


Note:

- The document will be ejected from the front of the unit. Install the unit on a desk or floor with a smooth surface and do not place anything in front of the unit.

For fax advantage assistance, call 1-800-435-7329.

Location

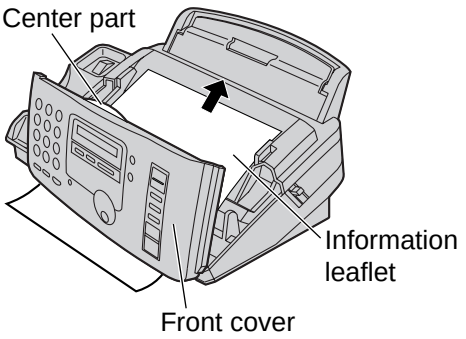

●To scan and store a document into memory, and then transmit or copy the stored document (p. 31, 46).
●To choose “Collated” (sorted) in the copy mode (p. 46).
●To adjust volumes (p. 17).
●To select an enlargement/reduction rate in the copy mode (p. 46, 47).
●To confirm a stored telephone number (p. 24).
●To send faxes using the IQ-FAX function (p. 30).
●To print a quick reference (p. 8).
●For voice muting (p. 18).
●To insert one character or one space (p. 14, 15).
●To turn on/off the AUTO ANSWER mode (p. 36, 37).
●To initiate or exit programming.
Dial keypad
Display
HELP
MENU
VOLUME
COPY ZOOM
COLLATE
QUICK SCAN
RESOLUTION
MEMORY% ON
MUTE
IQ-FAX
AUTO ANSWER
JOG DIAL
BACK
FWD
DIRECTORY PROGRAM
STOP
FAX START
SET
COPY START
TONE
REDIAL /PAUSE
FLASH
MONITOR
●To dial without lifting the handset.
●To store or edit names and telephone numbers (p. 20).
●To initiate fax transmission, reception or copying.
●To store a setting during programming.
●Hookswitch (p. 19)
●To insert a hyphen (p. 20, 21).
●To redial the last number dialed (p. 18, 27).
●To insert a pause during dialing (p. 19).
●To search for a stored name (p. 24, 26).
●To select characters during programming (p. 15).
●To select the features/feature settings during programming (p. 48).
●To stop an operation or cancel programming.
●To change from pulse to tone during dialing (p. 19).
●To select a resolution (p. 26).

Removing the information leaflet

1 Open the front cover by pulling up the center part.

2 Remove and read the information leaflet.

3 Close the front cover securely.

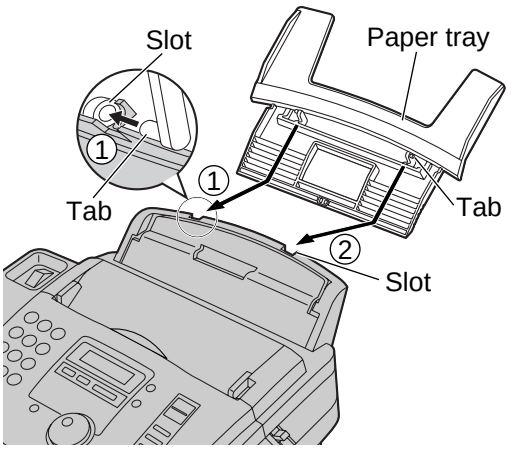


Paper tray

Insert one tab on the paper tray into one slot on the back of the unit (①) and then insert the other tab into the other slot (②).

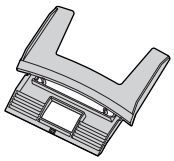
Note:

- Do not place the unit in areas where the paper tray may be obstructed by a wall, etc.



To use legal size paper

Please purchase a legal paper tray Model No. KX-FA50 (p. 7) and install as shown above.

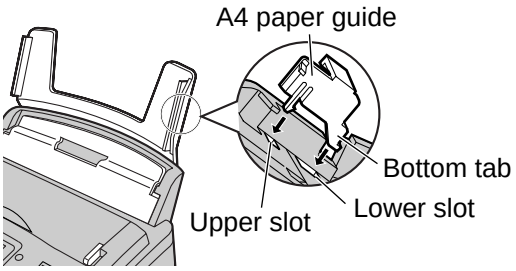


KX-FA50
Legal paper tray

To use A4 size paper

You need to install the A4 paper guide to the right side of the paper tray.

1. Insert the bottom tab on the A4 paper guide into the lower slot.
2. Press the guide into the upper slot.



For fax advantage assistance, call 1-800-435-7329.

Recording paper

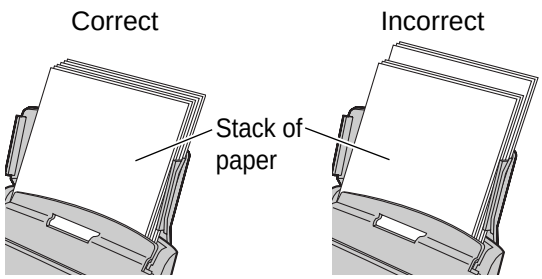
Letter, legal or A4 size recording paper (p. 73) can be loaded. The unit can hold up to 50 sheets of 60 g/m² to 75 g/m² (16 lb. to 20 lb.) paper or 30 sheets of 90 g/m² (24 lb.) paper.
Set the recording paper size (feature #16 on page 49) according to the paper size you use, after connecting the unit (p. 12).

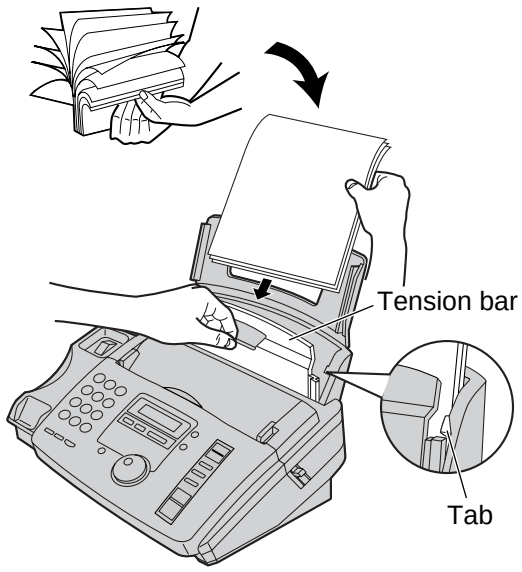
– **To use A4 size paper**, install the A4 paper guide to the paper tray (p. 10).
– **To use legal size paper**, please purchase a legal paper tray, Model No. KX-FA50 (p. 7) and install it (p. 10).

For best results, only use inkjet paper such as Hammermill® Jet Print. If you use other types of paper, the print quality may be affected.

1 Fan the stack of paper to prevent a paper jam.

2 Pull the tension bar forward and hold open while inserting the paper.
- The paper should not be over the tab.
- If the paper is not inserted correctly, readjust the paper or the paper may jam.



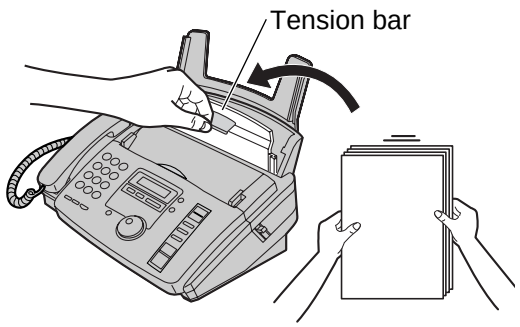


Note for recording paper:
- **Avoid paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.**
- **Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.**
- **Avoid extremely smooth or shiny paper that is highly textured.**
- **Avoid paper that is coated, damaged or wrinkled.**

Note:
- Avoid double-sided printing.
- Do not use paper printed from this unit for double-sided printing with other copiers or printers, or the paper may jam.
- Some paper only accepts print on one side. Try using the other side of paper if you are not happy with the print quality.

Adding paper

1. Pull the tension bar forward and hold open while removing all of the installed paper.
2. Add paper to the removed paper and straighten.
3. Fan the stack of paper.
4. Pull the tension bar forward and hold open while inserting the paper.

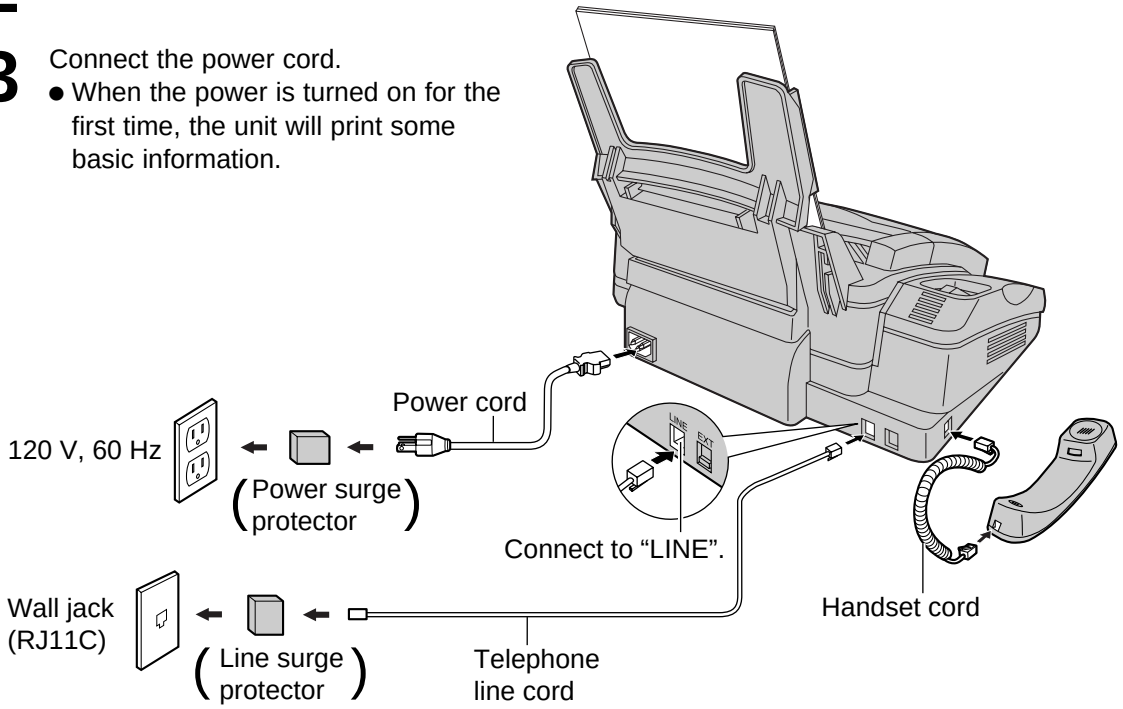


Connections

1 Connect the handset cord.

2 Connect the telephone line cord.

3 Connect the power cord.
- When the power is turned on for the first time, the unit will print some basic information.



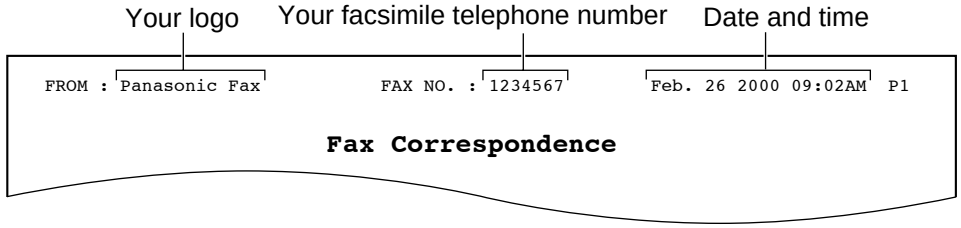
Note:
- For additional equipment protection, we recommend the use of a surge protector. The following types are available; TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).
  The warranty does not cover damage due to power line surges or lightning.
- When you operate this product, the power outlet should be near the product and easily accessible.
- If you want to connect an answering machine to the unit, see page 40.

For fax advantage assistance, call 1-800-435-7329.

Date and time, your logo and facsimile telephone number

You should program the date and time, your logo and facsimile telephone number. This information will be printed on each page transmitted from your unit, fulfilling the requirements of the Telephone Protection Act of 1991.

Example:



Setting the date and time

1 Press **MENU**.

Display: `1.SYSTEM SET UP`

2 Press #, then **0** **1**.

`SET DATE & TIME`

3 Press **SET**.

`M:01/D:01/Y:00`

Cursor

4 Enter the correct month/day/year by selecting 2 digits for each, using the dial keypad.
Example: Aug. 10, 2000
Press **0** **8** **1** **0** **0** **0**.

`M:08/D:10/Y:00`

5 Press **SET**.

`TIME:  12:00AM`

6 Enter the correct hour/minute by selecting 2 digits for each, using the dial keypad.
Press * to select “AM” or “PM”.
Example: 3:15PM

1. Press **0** **3** **1** **5**.

`TIME:  03:15AM`

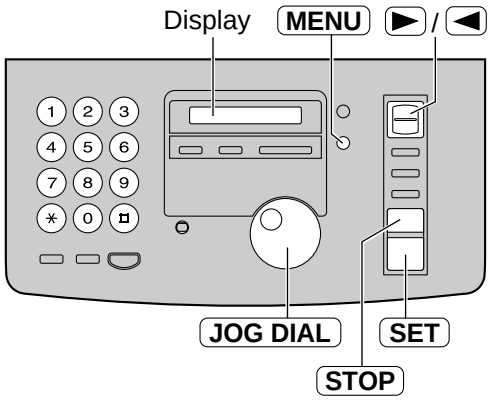
2. Press * until “PM” is displayed.

`TIME:  03:15PM`

7 Press **SET**.

`SETUP ITEM [  ]`

8 Press **MENU**.



Note:

- You can enter your number by rotating **JOG DIAL** in steps 4 and 6. In this case, press ► to move the cursor.
- The accuracy of the clock is approximately ±60 seconds a month.

To correct a mistake

- Press ► or ◄ to move the cursor to the incorrect number, and make the correction.
- If you press **STOP** while programming, the display will return to the previous one.

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.

Display:

```
1.SYSTEM SET UP
```

2 Press #, then **0** **2**.

```
YOUR LOGO
```

3 Press **SET**.

```
LOGO=
```

4 Enter your logo, up to 30 characters, using the dial keypad. See next page for details.

Example: Bill

1. Press **2** twice.

```
LOGO=B
```

Cursor

2. Press **4** six times.

```
LOGO=Bi
```

3. Press **5** six times.

```
LOGO=Bil
```

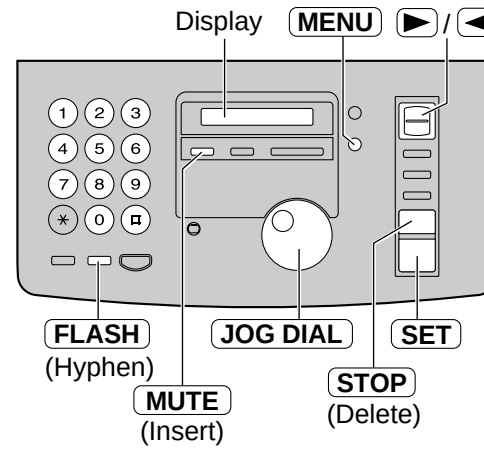
4. Press ► to move the cursor to the next space and press **5** six times.

```
LOGO=Bill
```

5 Press **SET**.

```
SETUP ITEM [   ]
```

6 Press **MENU**.



Note:

- You can enter your logo by rotating **JOG DIAL** (see next page).

To correct a mistake

- Press ► or ◄ to move the cursor to the incorrect character, and make the correction.

To delete a character

- Move the cursor to the character you want to delete and press **STOP**.

To insert a character

1. Press ► or ◄ to move the cursor to the position to the right of where you want to insert the character.
2. Press **MUTE** (Insert) to insert a space and enter the character.

For fax advantage assistance, call 1-800-435-7329.

To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

Keys	Characters
1	1 [ ] { } + – / = , . _ ` : ; ? |
2	A B C a b c 2
3	D E F d e f 3
4	G H I g h i 4
5	J K L j k l 5
6	M N O m n o 6
7	P Q R S p q r s 7
8	T U V t u v 8
9	W X Y Z w x y z 9
0	0 ( ) 〈 〉 ! " # $ % & ¥ ∗ @ ^ ' →
FLASH	**Hyphen** button (To insert a hyphen.)
MUTE	**Insert** button (To insert one character or one space.)
STOP	**Delete** button (To delete a character.)
▶	▶ key (To move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.
◀	◀ key (To move the cursor to the left.)

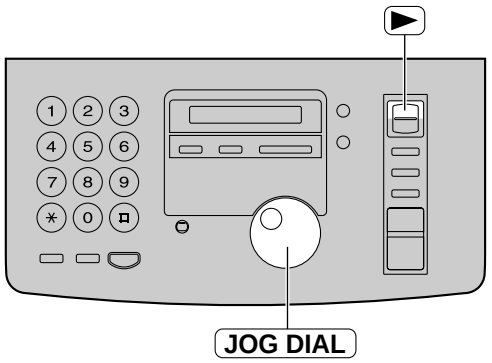
To select characters using the JOG DIAL

Instead of pressing the dial keys, you can select characters using the JOG DIAL.

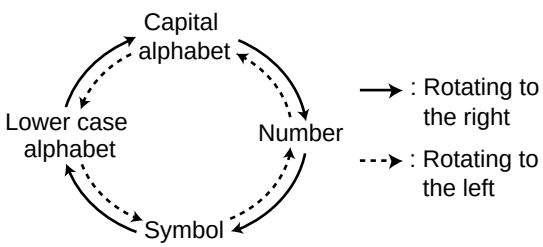
1. Rotate **JOG DIAL** until the desired character is displayed.

2. Press ▶ to move the cursor to the next space.
●The character displayed in step 1 is inserted.

3. Return to step 1 to enter the next character.



Display order of characters



Setting your facsimile telephone number

1 Press **MENU**.

Display: `1.SYSTEM SET UP`

2 Press ⌗, then **0** **3**.

`YOUR FAX NO.`

3 Press **SET**.

`NO.=`

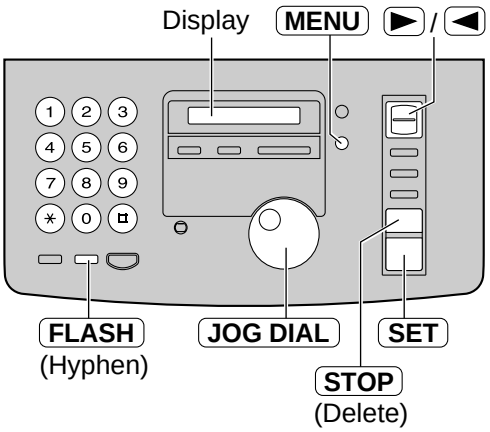
4 Enter your facsimile telephone number, up to 20 digits, using the dial keypad.

Example: `NO.=1234567`

5 Press **SET**.

`SETUP ITEM [ ]`

6 Press **MENU**.



Note:

- You can enter your facsimile telephone number by rotating **JOG DIAL**. If using **JOG DIAL**, press ► to move the cursor.
- The * button replaces the digit with a "+" and the ⌗ button replaces it with a space.

  Example (using the dial keypad): +234 5678

  Press * **2** **3** **4** ⌗ **5** **6** **7** **8**.
- To enter a hyphen in a telephone number, press **FLASH** (Hyphen).

To correct a mistake

- Press ► or ◄ to move the cursor to the incorrect number, and make the correction.

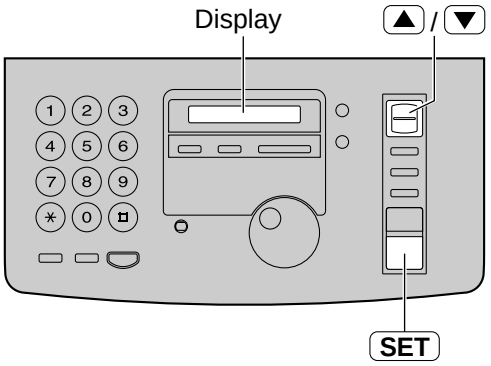
To delete a number

- Move the cursor to the number you want to delete and press **STOP**.

For fax advantage assistance, call 1-800-435-7329.

Adjusting volumes

Ringer volume



4 levels (high/middle/low/off) are available.
While the unit is idle, press ▲ or ▼.

■ **To turn the ringer off:**

1. Press ▼ repeatedly until the following message is displayed.

Display:

```
RINGER OFF= OK?
YES: PRESS SET
```

2. Press **SET**.

● To turn the ringer back on, press ▲.

■ **While the ringer volume is set to off:**

The display will show the following message.

```
RINGER OFF
```

When a call is received, the unit will not ring and will display the following.

```
INCOMING CALL
```

Handset receiver volume

5 levels (high to low) are available.
While using the handset, press ▲ or ▼.

Monitor volume

8 levels (high to low) are available.
While using the monitor, press ▲ or ▼.

Voice calls - making

1 Press **MONITOR** or lift the handset.

Display: `TEL=`

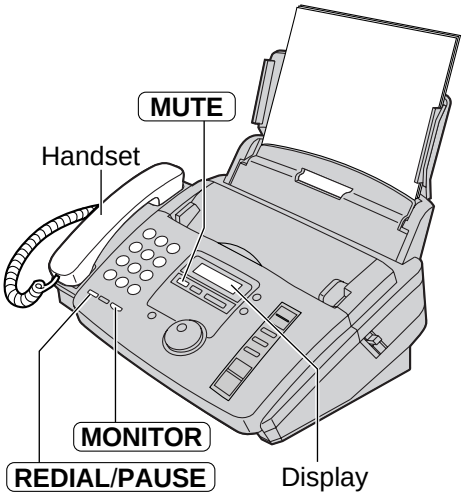
2 Dial the telephone number.

Example: `TEL=2345678`

- If you misdial, hang up and dial again.

3 When the other party answers, speak with the handset.

4 When finished talking, replace the handset.



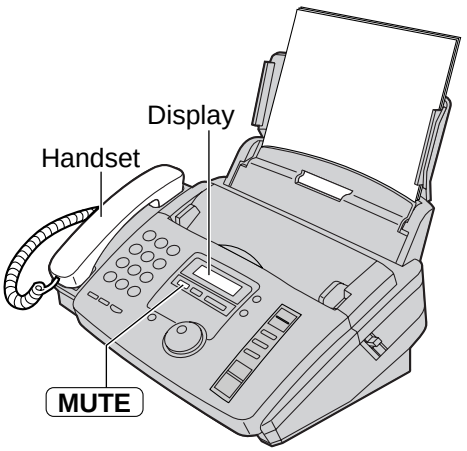
Note:

- The dialing mode is set to “TONE” as a default setting. If you cannot dial, change to “PULSE” with feature #13 (p. 49).

Voice calls - answering

1 When the unit rings, lift the handset.

2 When finished talking, replace the handset.



To redial the last number

1. Press **MONITOR** or lift the handset.
2. Press **REDIAL/PAUSE**.
3. When the other party answers, speak with the handset.

To mute your voice to the other party

1. Press **MUTE** during a telephone conversation.

   Display: `<MUTE>`

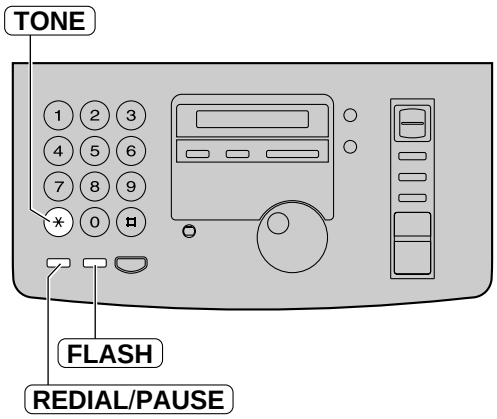
   - The other party cannot hear you, but you can hear them.
2. To resume the conversation, press **MUTE** again.

For fax advantage assistance, call 1-800-435-7329.

TONE, FLASH and PAUSE buttons

TONE button

The **TONE** (✳) button is used for rotary pulse dial services and allows you to temporarily change from pulse to tone mode during a dialing operation.
When you hang up, the unit will automatically return to the pulse mode.



FLASH button

The **FLASH** button functions like the hookswitch on a regular telephone. If you misdial a telephone number, press the **FLASH** button firmly.

The **FLASH** button also allows you to use special features of a host exchange (if connected) or local telephone company services such as call waiting. For further details, contact your host exchange supplier or local telephone company.

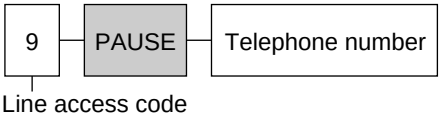
Note:

- TONE and PAUSE can be stored into a telephone number in the JOG DIAL directory.

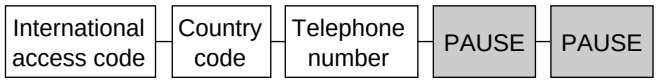
Entering pauses

When the **REDIAL/PAUSE** button is pressed during dialing, a pause will be inserted.

Example 1:
If your unit is connected to a host exchange, insert a pause to get an outside line.



Example 2:
If a transmission error occurs during an overseas fax transmission, add two pauses at the end of the telephone number.



Storing names and telephone numbers in the JOG DIAL directory

For rapid access to frequently dialed numbers, the unit provides a JOG DIAL directory (50 stations).
For your convenience, the following 2 stations have been pre-programmed.
HELP-FAX (1-800-435-7329): If you cannot correct a problem after trying the help function (p. 8), call using this station (p. 24).
IQ-FAX-CS (IQ-FAX Customer Service Center)(1-888-332-9728): If you have a problem with IQ-FAX, call using this station (p. 24).
If you do not need the above stations, you can erase them (p. 23).

1 Press **DIRECTORY PROGRAM**.

Display:
```
USE JOG-DIAL OR
PRESS DIR.PROG.
```

2 Rotate **JOG DIAL** until the following is displayed.
```
NAME=
```

3 Enter the name, up to 10 characters, by following the instructions on next page.

Example:
```
NAME=Alice
```

4 Press **SET**.
```
NO.=
```

5 Enter the telephone number, up to 30 digits, using the dial keypad.

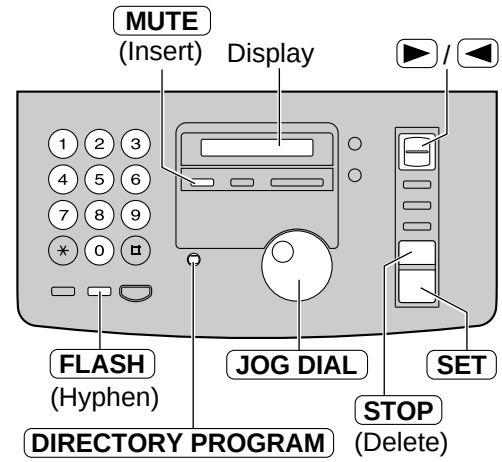
Example:
```
NO.=5552233
```

- If you want to enter a hyphen, press **FLASH**.

6 Press **SET**.
```
REGISTERED
NAME=
```

- To program other items, repeat steps 3 to 6.

7 Press **DIRECTORY PROGRAM** to exit the program.



Helpful hint:

- You can confirm the stored items on the display (p. 24) or on the telephone number list (p. 68).

Note:

- When the following message is displayed in step 6, you can only store 5 more items.

Display:
```
SPACE= 5 DIRS.
```

- If there is no space to store new stations, the following message is displayed in step 1.
```
JOG-DIAL FULL
```
Erase unnecessary stations (p. 23).
- A hyphen or a space entered in a telephone number counts as two digits.

To correct a mistake

- Press ► or ◄ to move the cursor to the incorrect character/number, and make the correction.

To delete a character/number

- Move the cursor to the character/number you want to delete and press **STOP**.

To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

Keys	Characters
1	1 [ ] { } + – / = , . _ ` : ; ? |
2	A B C a b c 2
3	D E F d e f 3
4	G H I g h i 4
5	J K L j k l 5
6	M N O m n o 6
7	P Q R S p q r s 7
8	T U V t u v 8
9	W X Y Z w x y z 9
0	0 ( ) 〈 〉 ! " # $ % & ¥ ∗ @ ^ ' →
FLASH	**Hyphen** button (To insert a hyphen.)
MUTE	**Insert** button (To insert one character or one space.)
STOP	**Delete** button (To delete a character.)
▶	▶ key (To move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.
◀	◀ key (To move the cursor to the left.)

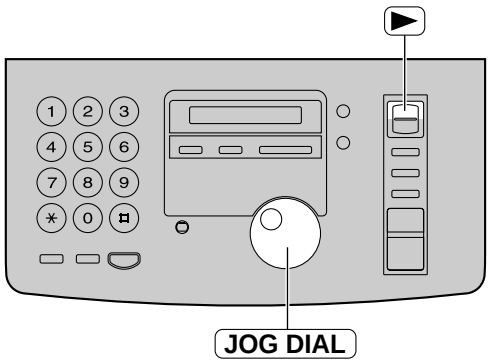
To select characters using the JOG DIAL

Instead of pressing the dial keys, you can select characters using the JOG DIAL.

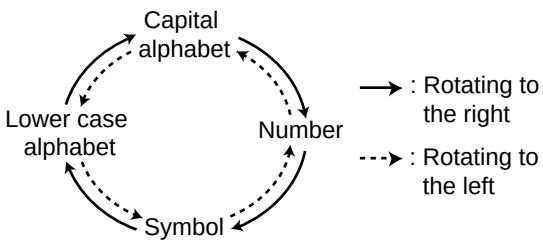
1. Rotate **JOG DIAL** until the desired character is displayed.

2. Press ▶ to move the cursor to the next space.
●The character displayed in step 1 is inserted.

3. Return to step 1 to enter the next character.



Display order of characters



Editing a stored name and number

1 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Mary`

2 Press **DIRECTORY PROGRAM** .

`EDIT=* DELETE=#`

3 Press * to select “EDIT”.

`NAME=Mary`

- If you do not need to edit the name, skip to step 5.

4 Edit the name by following the instructions on page 21.

5 Press **SET** .

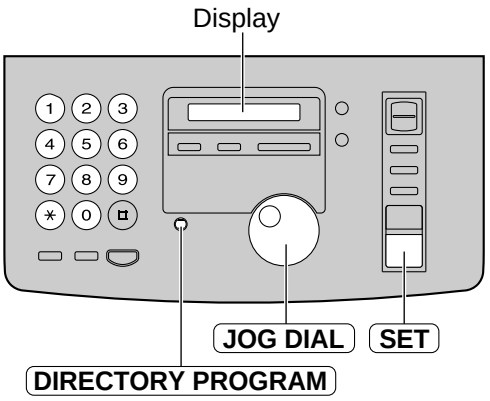
Example: `NO.=0123456`

- If you do not need to edit the telephone number, skip to step 7.

6 Edit the telephone number. For further details, see page 20.

7 Press **SET** .

`REGISTERED`



Erasing a stored name and number

1 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Smith`

2 Press **DIRECTORY PROGRAM** .

`EDIT=∗ DELETE=#`

3 Press ⌗ to select “DELETE”.

`DELETE OK?`

↕

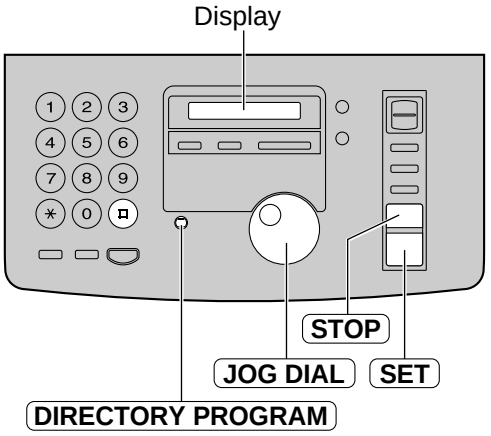
`YES: PRESS SET`

- If you do not want to erase the item, press **STOP** .

4 Press **SET** .

`DELETED`

- The stored name and number are deleted.



Making a voice call using the JOG DIAL directory

Before using this feature, program the desired names and telephone numbers into the directory (p. 20).

1 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Lisa`

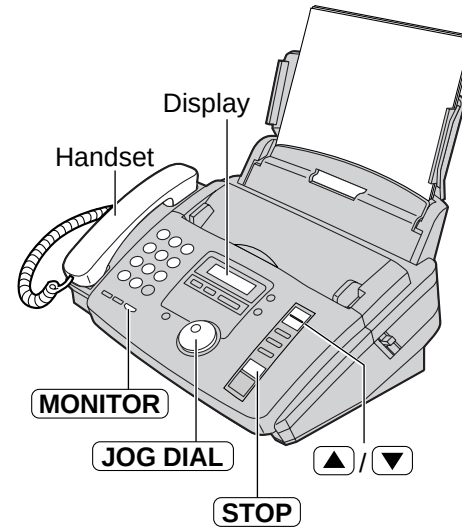
2 Press **MONITOR** or lift the handset.
- The unit will start dialing automatically.

`DIALING`

3 When the other party answers, speak with the handset.

`TEL=<Lisa>`

4 When finished talking, replace the handset.



Helpful hint:
- You can confirm the stored items on the display (see below) or on the telephone number list (p. 68).

Note:
- If the desired name has not been stored, press **STOP** and dial the number manually.

To confirm the stored items on the display

1. Rotate **JOG DIAL** until the desired name is displayed.

Example: `Kim`

2. Press ▲ or ▼.

`4567890`

- To stop the operation, press **STOP**.

3. Press **MONITOR** or lift the handset.
- The unit will automatically dial the number.

To search for a name by initial

Example: If you want to search for the name "Lisa"

1. Rotate **JOG DIAL** until any name is displayed.

Example: `Alan`

2. Press **5** repeatedly until any name with the initial "L" is displayed (see the character table on page 21).

`Larry`

3. Rotate **JOG DIAL** to the right until "Lisa" is displayed.

`Lisa`

- To stop the operation, press **STOP**.

4. Press **MONITOR** or lift the handset.
- The unit will automatically dial the number.

Note:
- When you want to search for symbols (not letters or numbers), press ✳ in step 2.

Talking to the other party after fax transmission or reception

You can talk to the other party after a fax message is completed. This will save the added expense and time of making another call.
This feature only works when the other party's fax machine is equipped with a voice contact feature.

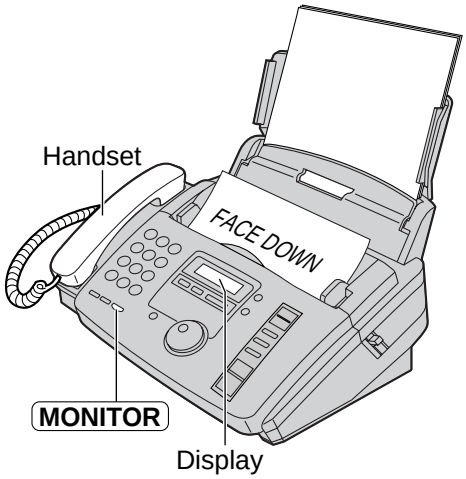
Initiating voice contact

1 Press **MONITOR** while transmitting or receiving documents.

Display: `VOICE STANDBY`

- Your unit will call the other party with a distinctive ring.
- When the other party answers, your unit will emit a distinctive ring.

2 Lift the handset to start talking.



Note:

- If you initiate voice contact during transmission, the unit will call you with a distinctive ring after all of the documents have been transmitted.
- If you initiate voice contact during reception, the unit will call you with a distinctive ring after the current page of the document is received.

Receiving a request for voice contact

1 If the other party initiates voice contact, your unit will sound a distinctive ring and the following will be displayed.

Display: `PLEASE PICK UP`

2 Lift the handset within 10 seconds of the distinctive ring to start talking.

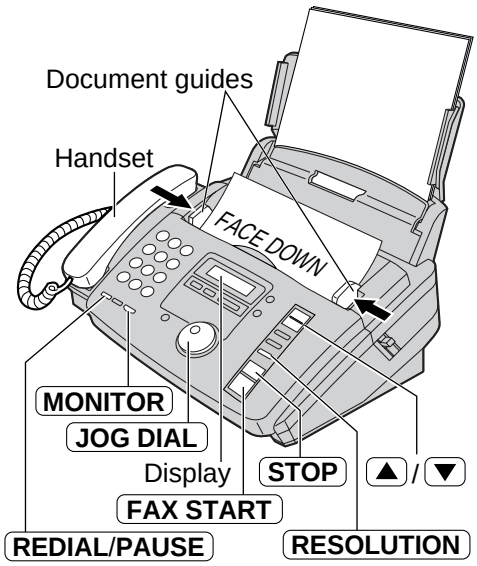
Sending a fax manually/using the JOG DIAL directory

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display: `STANDARD`

3 If necessary, press **RESOLUTION** repeatedly to select the desired setting (see below).



Manually

4 Press **MONITOR** or lift the handset.

`TEL=`

5 Dial the fax number.

Example: `TEL=5678901`

6 **When a fax tone is heard:**
Press **FAX START**, and replace the handset if using it.
OR
When the other party answers your call:
If using the monitor, lift the handset and ask them to press their start button. When a fax tone is heard, press **FAX START** and replace the handset.

`CONNECTING.....`

Using the JOG DIAL directory

4 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Alice`

- To confirm the number, press ▲ or ▼.
- For further details about using the JOG DIAL, see page 24.

5 Press **FAX START**.

`FAX=<Alice>`
↓
`CONNECTING.....`

To select the resolution

Select the desired resolution according to the type of document.

STANDARD: For printed or typewritten originals with normal-sized characters.

FINE: For originals with small printing.

SUPER FINE: For originals with minute printing.

HALF TONE: For originals containing photographs, shaded drawings, etc.

- Using the “FINE”, “SUPER FINE” or “HALF TONE” setting will increase the transmission time.
- If the resolution setting is changed during feeding, it will be effective from the next sheet.
- The “SUPER FINE” resolution only works with other compatible fax machines.

To transmit more than 10 pages at a time

Insert the first 10 pages of the document. Add the extra pages (up to 10) before the last page is fed into the unit.

To stop transmission

Press **STOP** .

To redial the last number

Press **REDIAL/PAUSE** .

- If the line is busy, the unit will automatically redial the number up to 2 times.
- During redial, the following will be displayed.

Display: `WAITING REDIAL`

- To cancel redialing, press **STOP** .

Fax auto redial for the JOG DIAL directory

If the line is busy or there is no answer when using the JOG DIAL directory, the unit will automatically redial the number up to 2 times.

- This feature is also available for delayed transmission (feature #25 on page 50).
- During redial, the following will be displayed.

Display: `WAITING REDIAL`

- To cancel redialing, press **STOP** .

Convenient way to send a fax

You can dial the fax number first before inserting the document. This is convenient if the other party's number is indicated on the document.

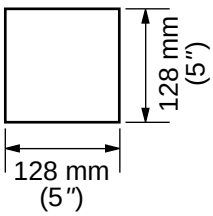
1. Enter the fax number.
   - The handset must be on the cradle.
2. Insert the document.
3. Press **FAX START** .

If your unit does not send a fax using the JOG DIAL directory

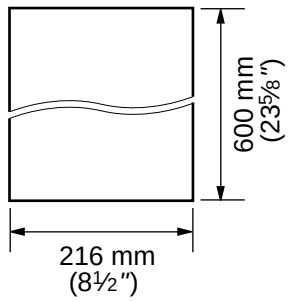
- Confirm the stored items on the display (p. 24) or on the telephone number list (p. 68).
- Check that the number dialed is answered by the other party's machine.
  1. Rotate **JOG DIAL** until the desired name is displayed.
  2. Press **MONITOR** .
- The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 53).

Documents you can send

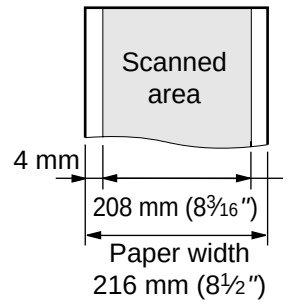
Minimum size



Maximum size



Effective scanning area



Document weight

Single sheet:
45 g/m² to 90 g/m²
(12 lb. to 24 lb.)

Multiple sheets:
60 g/m² to 75 g/m²
(16 lb. to 20 lb.)

Note:

- Remove clips, staples or other similar fastening objects.
- Check that ink, paste or correction fluid has dried.
- Do not send the following types of documents. Use copies for fax transmission.
  - — Chemically treated paper such as carbon or carbonless duplicating paper
  - — Electrostatically charged paper
  - — Heavily curled, creased or torn paper
  - — Paper with a coated surface
  - — Paper with a faint image
  - — Paper with printing on the opposite side that can be seen through the front (e.g. newspaper)

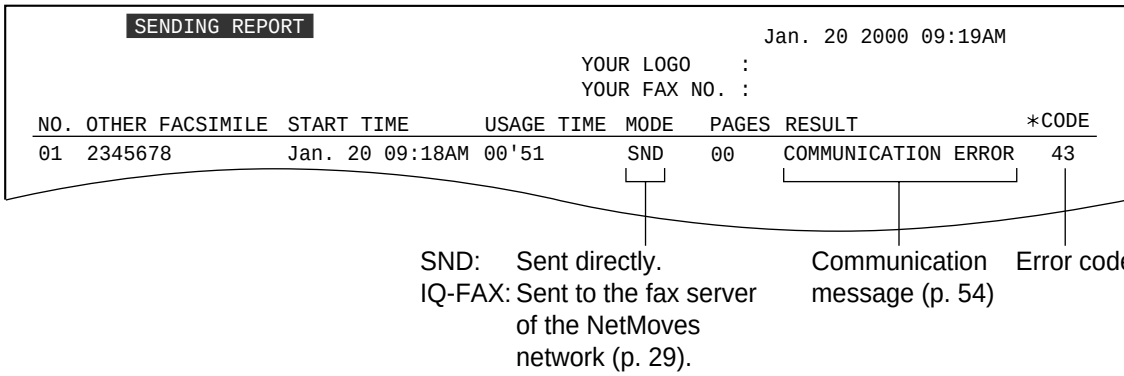
Reports for confirmation

To confirm the communication results, the following reports are available.

Sending report

This report will provide you with a printed record of the fax transmission result. To use this feature, activate feature #04 (p. 49).

Sample of a sending report


SENDING REPORT
Jan. 20 2000 09:19AM
YOUR LOGO :
YOUR FAX NO. :
NO. OTHER FACSIMILE START TIME USAGE TIME MODE PAGES RESULT ∗CODE
01 2345678 Jan. 20 09:18AM 00'51 SND 00 COMMUNICATION ERROR 43
SND: Sent directly.
IQ-FAX: Sent to the fax server of the NetMoves network (p. 29).
Communication message (p. 54)
Error code

Note:

- If your fax is not transmitted to the other party's fax machine when using the NetMoves network (p. 29), the NetMoves network will send a Non-Delivery Notice to your unit.

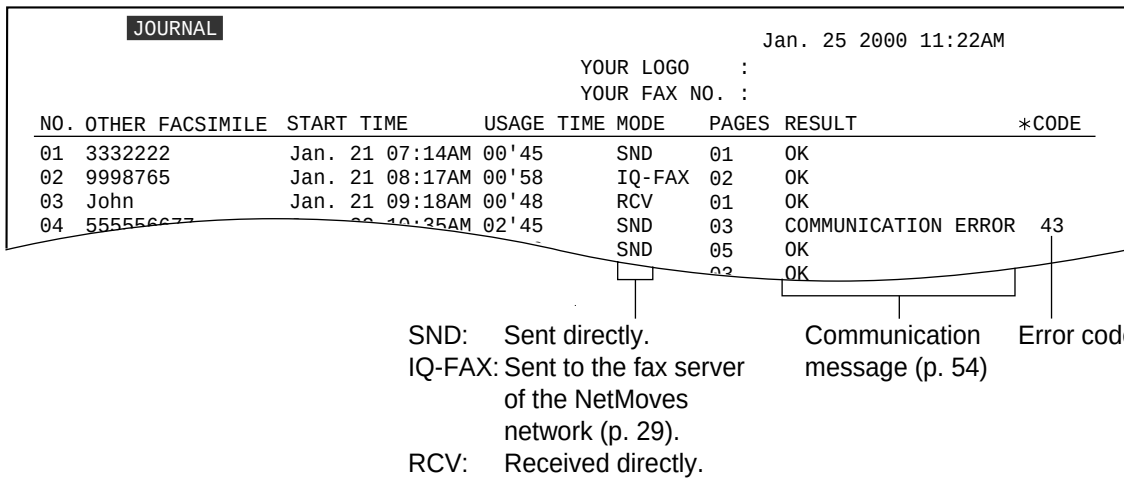
Journal report

The unit stores the 30 most recent fax communication results. When a new communication occurs, the oldest communication result will be erased.

—To print manually, see page 68.

—To print automatically after every 30 new fax communications, select "ON" with feature #22 (p. 50). If you select "OFF", the unit will not print the journal automatically but store the records of fax communications.

Sample of a journal report


JOURNAL
Jan. 25 2000 11:22AM
YOUR LOGO :
YOUR FAX NO. :
NO. OTHER FACSIMILE START TIME USAGE TIME MODE PAGES RESULT ∗CODE
01 3332222 Jan. 21 07:14AM 00'45 SND 01 OK
02 9998765 Jan. 21 08:17AM 00'58 IQ-FAX 02 OK
03 John Jan. 21 09:18AM 00'48 RCV 01 OK
04 SND 03 COMMUNICATION ERROR 43
SND 05 OK
OK
SND: Sent directly.
IQ-FAX: Sent to the fax server of the NetMoves network (p. 29).
RCV: Received directly.
Communication message (p. 54)
Error code

Note:

- If your fax is not transmitted to the other party's fax machine when using the NetMoves network (p. 29), the NetMoves network will send a Non-Delivery Notice to your unit.

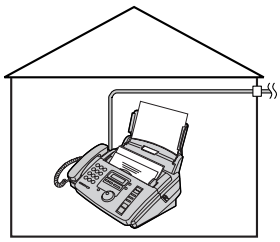
IQ-FAX

This feature can only be used after applying to NetMoves.
IQ-FAX is intelligent faxing which allows you to send faxes via the Internet using the IQ-FAX button. Behind the IQ-FAX button is the NetMoves Global Fax Network which manages the delivery of your fax to any fax machine in the world. It routes your fax via the best and most time-efficient route and will automatically resend your fax for you, if the receiving fax machine is unavailable.

This “fax-only” network has the added advantage of cost efficiency due to the Internet being integrated into the network. Every fax is secure since the NetMoves network utilizes the highest encryption legally allowed, ensuring that your document stays secure. You get the benefits of carefree faxing with savings associated with the use of the Internet. It is simple, quick, and secure.

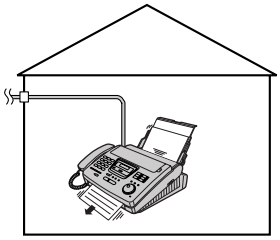
For more information, contact NetMoves at 1-888-332-9728. This number is pre-programmed in the JOG DIAL directory (p. 20).

How your fax is sent to the other party’s fax machine



Your unit will send a fax to the fax server.

The fax server will receive the fax from your unit, then send it to the other party’s fax machine.



The other party’s fax machine will receive the fax from the fax server.

If any transmission errors occur between your unit and the fax server, your unit will automatically redial the fax server up to 2 times.

If any transmission errors occur between the fax server and the other party’s fax machine, the fax server will automatically redial the other party’s fax machine up to 3 times. If your fax is still not transmitted after 3 attempts, the fax server will fax a Non-Delivery Notice to you. In this case, there is no charge. Set your unit to receive a fax.

How to apply for the NetMoves Internet service for your unit

1. Fill out the attached application form and fax it to 1-800-909-6649.
- The NetMoves company will send you a welcome fax after they have activated your account.
- There is no application or monthly fee. You pay only for the faxes you send.

2. To activate the IQ-FAX function from your fax machine, set feature #75 to “ON” (p. 53).

Sending a fax using the Internet

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display: `STANDARD`

3 If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 26).

4 Press **IQ-FAX** .

`IQFAX TO WHERE?`

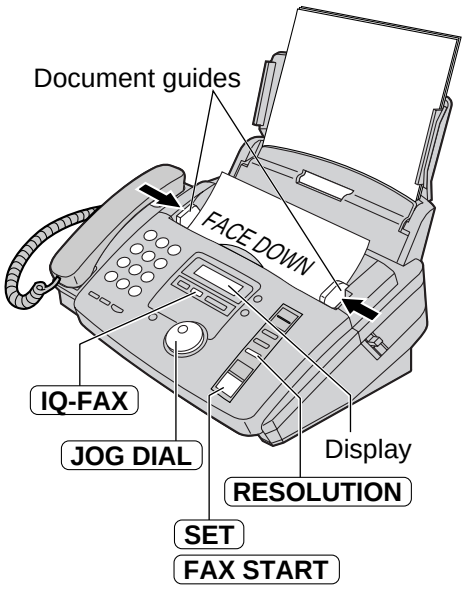
5 Enter the fax number using the dial keypad or **JOG DIAL** .

- When you use the **JOG DIAL** , display the desired item and press **SET** .

Example: `FAX=223344`

6 Press **FAX START** .

`TRYING IQ-FAX`
↓
`CONNECTING.....`
↓
`SENDING P 1`
↓
`SENT TO SERVER`



Note:

- If the number you dialed is out of the NetMoves network service area, the unit will show the following messages and send the fax directly over the telephone line.

Display: `OUT OF NETWORK` ↓ `SENDING NORMAL`

If these messages are displayed when sending a fax long-distance or internationally using IQ-FAX, contact NetMoves at 1-888-332-9728.

If you cannot send a fax

- Contact NetMoves at 1-888-332-9728. The NetMoves customer service center may send you a program update. While receiving this update, the following message will be displayed for about 3 minutes.

Display: `LOADING IQ-DATA`

- During this time, you will not be able to operate the unit or an extension telephone, if it is connected.
- If a loading error occurs, the unit will display the following message.

`LOADING ERROR`

In this case, contact NetMoves at 1-888-332-9728.

Sending from memory

The unit is able to scan documents, store them in memory, and then transmit them from memory. The memory capacity is approx. 25 pages based on the ITU-T No. 1 Test Chart in standard resolution (p. 73).

1 Insert the document FACE DOWN.
- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 26).

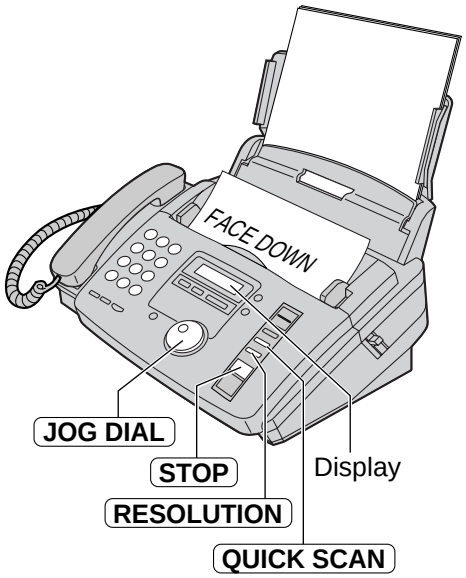
2 Enter the fax number using the dial keypad or **JOG DIAL** .

3 Press **QUICK SCAN** .
- The document will be fed into the unit and scanned into memory.
  After storing all of the pages, the unit will transmit the document.
- The amount of memory used will be shown as a percentage on the display.

Display: `PAGES=01  05`

Amount of memory used (%)

- The stored document will be automatically erased after transmission.



Note:
- If you select the “FINE”, “SUPER FINE” or “HALF TONE” resolution, the number of pages that the unit can transmit will decrease.
- If the stored pages exceed the memory capacity, the transmission will be canceled.

To cancel the memory transmission

Press **STOP** while or after scanning the document.

One time broadcast transmission

This feature is useful for sending the same document to selected parties whose fax numbers are stored in the JOG DIAL directory. If you only wish to send a document once, select the parties for each transmission.

Before programming, make sure that the desired stations have been stored in the JOG DIAL directory (p. 20).

1 Insert the document FACE DOWN.
- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 26).

2 Rotate **JOG DIAL** until the following is displayed.

Display: `<ONE TIME BROAD>`

3 Press **SET**.

`DIR= [000]`

4 Rotate **JOG DIAL** until the desired name is displayed.

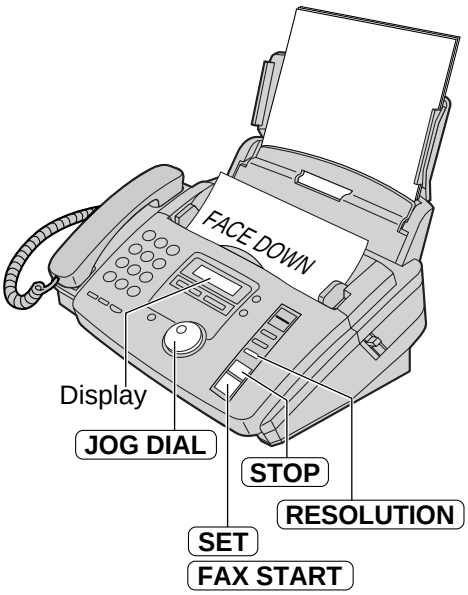
Example: `Bill [000]`

5 Press **SET**.

`DIR=Bill [001]`

- To program other stations, repeat steps 4 and 5 (up to 20 stations).

6 Press **FAX START** after programming all of the desired stations.
- The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
- After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (p. 35).



Note:
- If you select the “FINE”, “SUPER FINE” or “HALF TONE” resolution, the number of pages that the unit can transmit will decrease.
- If one of the stations is busy or does not answer, the station will be skipped. All skipped stations will be redialed up to 2 times after all of the other stations have been called.

To cancel the broadcast setting

1. Press **STOP** while the unit displays the following message.

Display: `BROADCASTING`

- The display will show the following.

`SEND CANCELED?`
↕
`YES: PRESS SET`

2. Press **SET**.

Broadcast transmission to pre-programmed parties

This feature is useful for sending the same document often to selected parties whose fax numbers are stored in the JOG DIAL directory. First program the parties (see below) then see page 35 for transmission.
Before programming, make sure that the desired stations have been stored in the JOG DIAL directory (p. 20).

Programming the stations in the broadcast memory

1 Press **DIRECTORY PROGRAM** .

Display:
```
USE JOG-DIAL OR
PRESS DIR.PROG.
```

2 Press **DIRECTORY PROGRAM** again.
```
BROADCAST
PRESS SET
```

3 Press **SET** .
```
DIR=          [000]
```

4 Rotate **JOG DIAL** until the desired name is displayed.

Example:
```
John          [000]
```

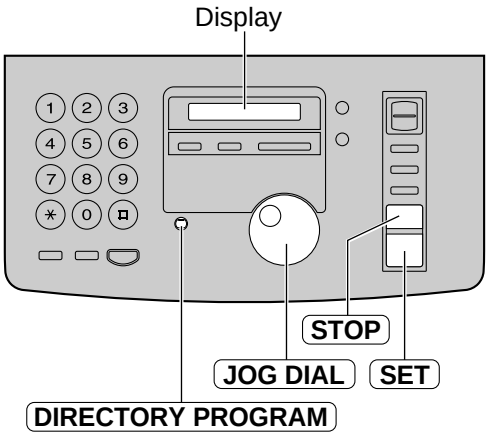
5 Press **SET** .

Example:
```
DIR=John      [001]
```

- To program other stations, repeat steps 4 and 5 (up to 20 stations).

6 Press **SET** after programming all of the desired stations.
```
REGISTERED
USE JOG-DIAL OR
PRESS DIR.PROG.
```

7 Press **STOP** to exit the program.



Note:
- If you enter the wrong station, press **STOP** in step 5 to erase the station.
- Confirm the stored numbers by printing a broadcast programming list (p. 68).

Adding a new station in the broadcast memory

1 Rotate **JOG DIAL** until the following is displayed.

Display: `<BROADCAST>`

2 Press **DIRECTORY PROGRAM** .

`ADD=∗ DELETE=#`

3 Press ∗ to select “ADD”.

4 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Mike`

5 Press **SET** .

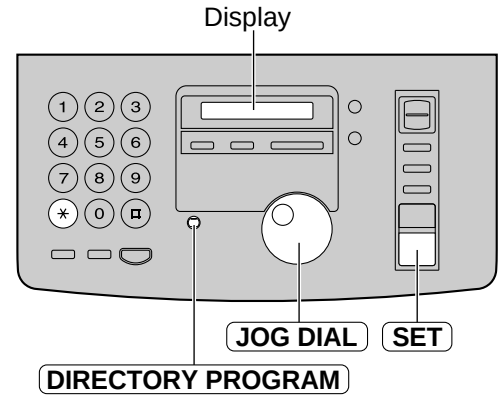
`REGISTERED`

↓

Example: `Nikki`

- To add other stations, repeat steps 4 and 5 (up to 20 stations).

6 Press **DIRECTORY PROGRAM** to exit the program.



Erasing a stored station in the broadcast memory

1 Rotate **JOG DIAL** until the following is displayed.

Display: `<BROADCAST>`

2 Press **DIRECTORY PROGRAM** .

`ADD=∗ DELETE=#`

3 Press # to select “DELETE”.

4 Rotate **JOG DIAL** until the desired name is displayed.

Example: `Dick`

- If you do not want to erase the station, press **STOP** .

5 Press **SET** .

`DELETE OK?`

↕

`YES: PRESS SET`

6 Press **SET** .

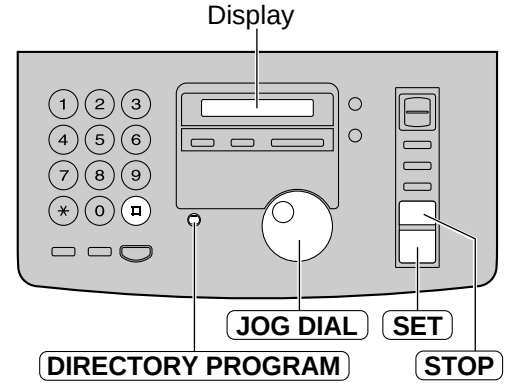
`DELETED`

↓

Example: `Bob`

- To delete other stations, repeat steps 4 to 6.

7 Press **DIRECTORY PROGRAM** to exit the program.



Sending to pre-programmed parties in the broadcast memory

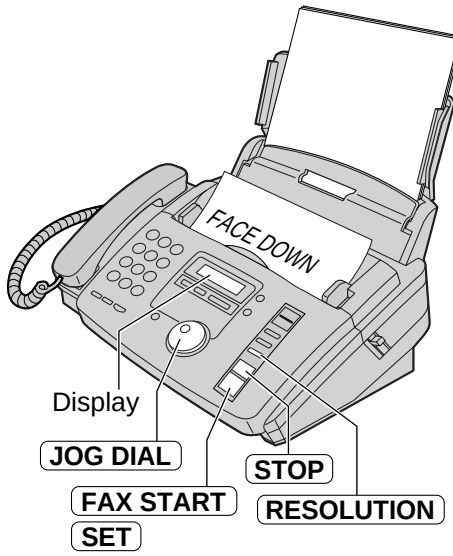
The same document will be sent to the specific parties whose numbers are stored in broadcast memory.
The memory capacity is approx. 25 pages based on the ITU-T No. 1 Test Chart in standard resolution (p. 73).

1 Insert the document FACE DOWN.
- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 26).

2 Rotate **JOG DIAL** until the following is displayed.

Display: <BROADCAST>

3 Press **FAX START** .
- The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
- After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (see below).



Note:

- If you select the “FINE”, “SUPER FINE” or “HALF TONE” resolution, the number of pages that the unit can transmit will decrease.
- If one of the stations is busy or does not answer, the station will be skipped. All skipped stations will be redialed up to 2 times after all of the other stations have been called.

To cancel the broadcast setting

1. Press **STOP** while the unit displays the following message.

Display: BROADCASTING

- The display will show the following.

SEND CANCELED?
↕
YES: PRESS SET

2. Press **SET** .

Broadcast sending report

Sample of a broadcast sending report

BROADCAST REPORT

Jan. 10 2000 09:36AM

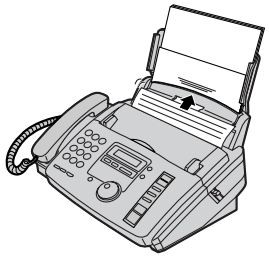
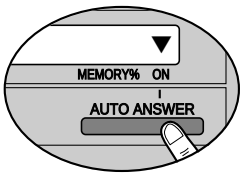
YOUR LOGO :
YOUR FAX NO. :

NO.	OTHER FACSIMILE	START TIME	USAGE TIME	PAGES (IQ-FAX)		RESULT
01	Mike	Jan. 10 09:31AM	01'10	02	∗	OK
02	Peter	Jan. 10 09:33AM	01'08	02	∗	OK
03	Sam	Jan. 10 09:34AM	01'09	02	∗	OK
04	Kim	Jan. 10 09:35AM	01'10	02	∗	OK
		TOTAL	004'37	008	(008)	

Total number of pages sent to the fax server of the NetMoves network (p. 29).

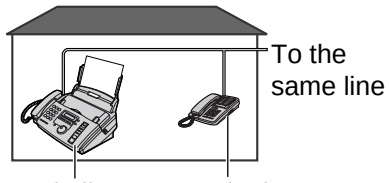
The “∗” mark shows the fax has been sent to the fax server of the NetMoves network (p. 29).

Setting the unit to receive faxes

How you want the unit to receive calls	Use only as fax	With answering machine
	 **You have a separate telephone line just for faxes.**	**You want to use the fax machine with an answering machine.**
You have to set this.	**FAX ONLY mode** (p. 39) Turn AUTO ANSWER on by pressing **AUTO ANSWER**, and set the desired ring count (default setting: 3 rings). 	**Activating an answering machine** (p. 40, 41) Connect an answering machine and set the ring count of the answering machine to less than 4. ● Set the ring count in the FAX ONLY mode of the fax machine to “5 EXT.TAM”, if you use with AUTO ANSWER on.
This is how the unit will operate.	**When receiving calls:** All incoming calls will be answered as faxes.	**When receiving voice calls:** The answering device will record voice messages. **When receiving fax calls:** The fax machine will disconnect the answering machine and receive documents.

Voice mail service (Distinctive Ring)

2-number example



Facsimile No. (555-1333)

Telephone No. (555-1111)

You need to subscribe to Distinctive Ring Service.

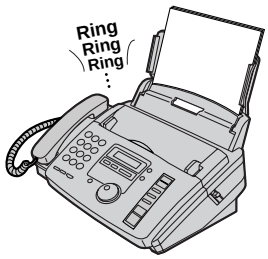
Setting the Distinctive Ring pattern (feature #31 on page 51)

Select the same ring pattern assigned to the facsimile number.

A: Standard ring (one long ring)
B: Double ring (two short rings)
C: Triple ring (short-long-short rings)
D: Other triple ring (short-short-long rings)

When the fax machine detects a call matching the selected Distinctive Ring pattern: The fax machine will activate the fax function.
When the fax machine detects other ring patterns: The fax machine will operate based on the AUTO ANSWER setting.

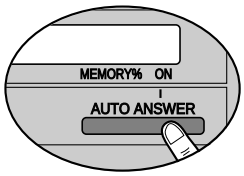
Mostly voice calls



You plan to answer the calls yourself.

TEL mode (p. 38)

Turn AUTO ANSWER off by pressing **AUTO ANSWER** .



When receiving calls:
You have to answer all calls manually.
To receive a fax document, press **FAX START** each fax call.

Other options

With PC

If you have a computer attached to the same telephone line, see page 41.

TEL/FAX mode

If you are near the unit and want to use it to receive voice calls yourself and fax calls automatically, see pages 42 and 43.

Remote fax activation

You can also receive a fax from an extension phone. If you answer a call with an extension phone and hear the fax calling tone, press ✳ **9** (pre-selected fax activation code) to receive a fax (p. 44).

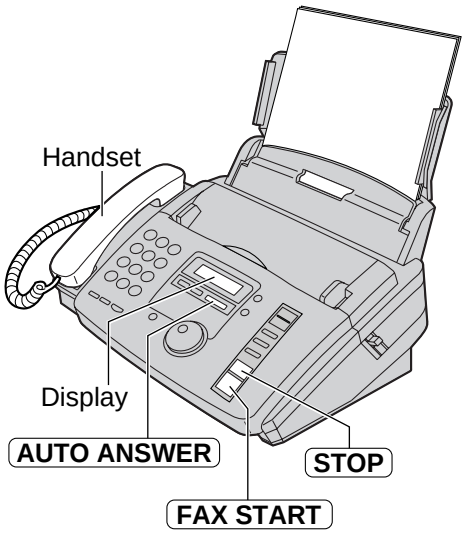
TEL mode (answering all calls manually)

Activating the TEL mode

If the arrow (▼) is shown on the right of the display, turn it off by pressing **AUTO ANSWER**.

Display: `TEL MODE`

ON



Receiving a fax manually

1 When the unit rings, lift the handset to answer the call.

2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press **FAX START**.

`CONNECTING.....`

3 Replace the handset.
● The unit will start fax reception.

Note:
- If you do not answer the call within 15 rings, the unit will temporarily switch to the fax and the caller can send a document.
- Up to 30 sheets of printed paper can be held. Remove the printed paper before it exceeds 30 sheets.

To stop receiving

Press **STOP**.

Friendly reception feature

When you answer a call and hear a fax calling tone (slow beep), the unit will automatically start fax reception.
- If this feature is not required, set feature #46 to "OFF" (p. 52).

Fax reception in memory

When a printing problem is detected, the unit will temporarily store the received document into memory.
While the document is in memory;
— the display will show an error message and the following message alternately.

Display: `FAX IN MEMORY`

— slow beeps will sound (memory reception alert). See feature #44 on page 52.
- Follow the instructions on pages 55 and 56 to solve the problem.
- For memory capacity, see page 73.

FAX ONLY mode (all calls are received as faxes)

Activating the FAX ONLY mode

If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER**.

- The display will show the current number of rings before the unit answers a call in the FAX ONLY mode.

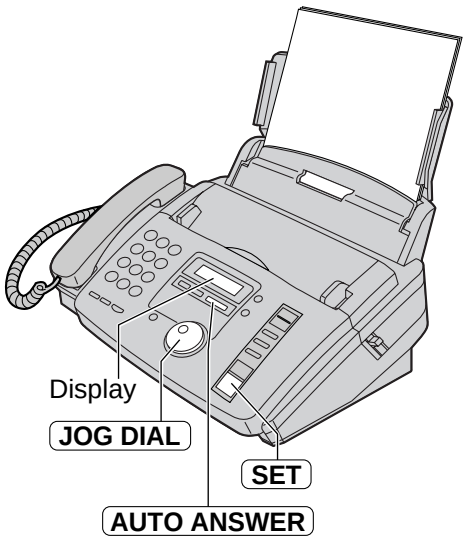
Display:

```
PICKUP & RCV FAX
        ↓
AFTER 3 RINGS ↻↓
```

- If necessary, rotate **JOG DIAL** until the desired ring count is displayed and press **SET**.

```
                ▼
               ON
```

- When receiving calls, the unit will automatically answer all calls and only receive fax documents.

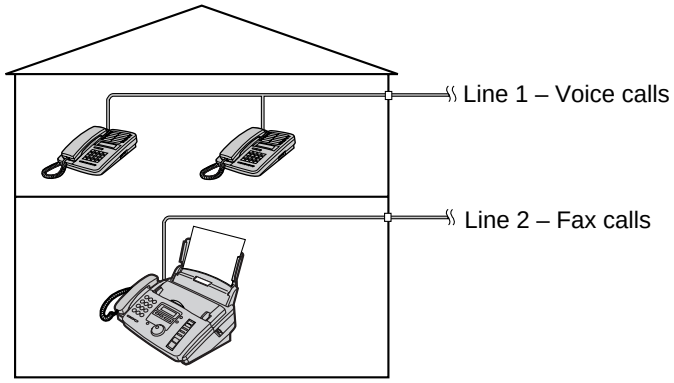


Note:

- If the arrow (▼) is already shown on the right of the display and you wish to change the ring count, turn the arrow off once then on again by pressing **AUTO ANSWER** and follow the instructions above.
- This mode should not be used with a telephone line which is used for both voice and fax calls. Fax communication will be attempted even if someone is trying to call you.

If you have a telephone line just for faxes, we recommend the following setup.

Example: One telephone line is used for voice calls and a separate telephone line for faxes.

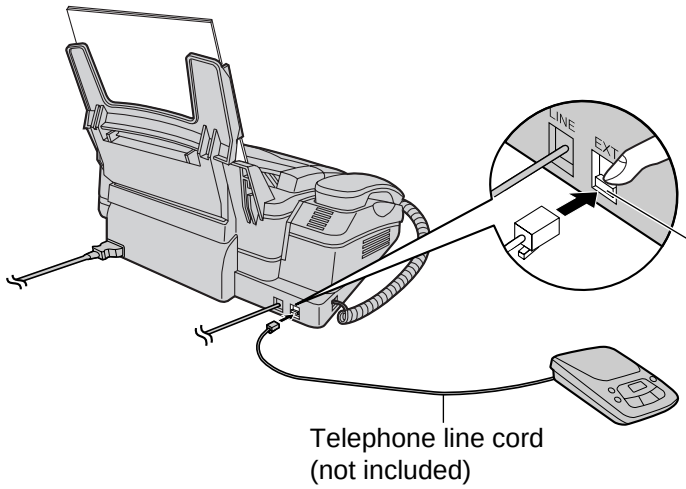


Only a fax machine is connected.

Using the unit with an answering machine

Setting up the fax machine and an answering machine

1 Connect the answering machine.


LINE
EXT
Remove the stopper with your finger and connect the cord to the EXT jack.
Stopper
Answering machine (not included)
Telephone line cord (not included)

2 Set the number of rings on the answering machine to less than 4.
- This will allow the answering machine to answer the call first.

3 Record a greeting message on the answering machine.
Example: *"This is (your name, business and/or telephone number). We are unable to answer the phone right now. To send a fax, start transmission. To leave a message, please speak after the beep. Thank you."*

4 Activate the answering machine.

5 Set the receive mode of the fax machine to the TEL mode (p. 38) or FAX ONLY mode (p. 39).
- If you set to the FAX ONLY mode, **set the ring count in the FAX ONLY mode (feature #06) to "5 EXT.TAM"** (p. 49). Using the FAX ONLY mode will allow you to receive faxes if the answering machine is full.

6 Check the remote access code of the answering machine and program the same code into the remote operation ID of the fax machine. See feature #12 on page 49.

Note:
- Do not pause for more than 4 seconds during the greeting message. If a 4-second pause is stored in the greeting message, all incoming calls will be routed to the fax machine from the answering machine even while the greeting message is playing.
- We recommend you keep the greeting message around 10 seconds long. If the greeting message is too long, some incoming fax calls may not be answered by the fax machine.
- Every time the fax machine receives a document, a silent pause or fax tone may be recorded on the answering machine.

How the fax machine and answering machine work

Receiving voice calls
The answering machine will record voice messages automatically.

Receiving fax calls
The fax machine will receive documents automatically.

Receiving a voice message and fax document in one call
The answering machine will record the voice message first. The fax machine will then be activated by the caller's request and will receive the document.

Receiving a voice message and fax document in one call

The caller can leave a voice message and send a fax document during the same call.
Inform the caller of the following procedure beforehand.

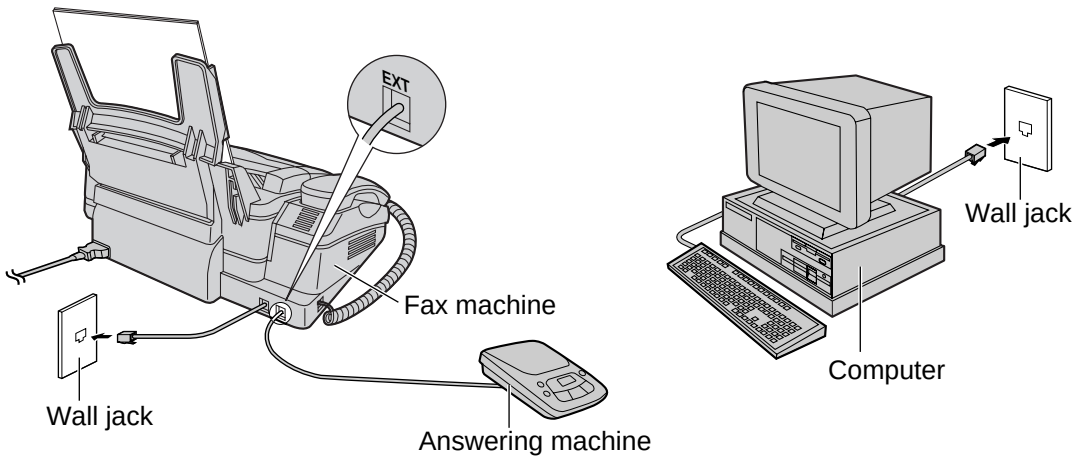
1. The caller calls your fax machine.
   - The answering machine will answer the call.
2. The caller can leave a message after the greeting message.
3. The caller presses ✳ 9 (pre-selected fax activation code).
   - The fax machine will activate the fax function.
4. The caller presses the start button to send a document.

Note:

- The fax activation code can be changed in feature #41 (p. 52).
- If the wrong fax activation code is entered, the caller must wait at least 5 seconds to reenter the correct code.

To use with an answering machine and computer

We recommend that you always connect the fax machine directly to the wall jack.

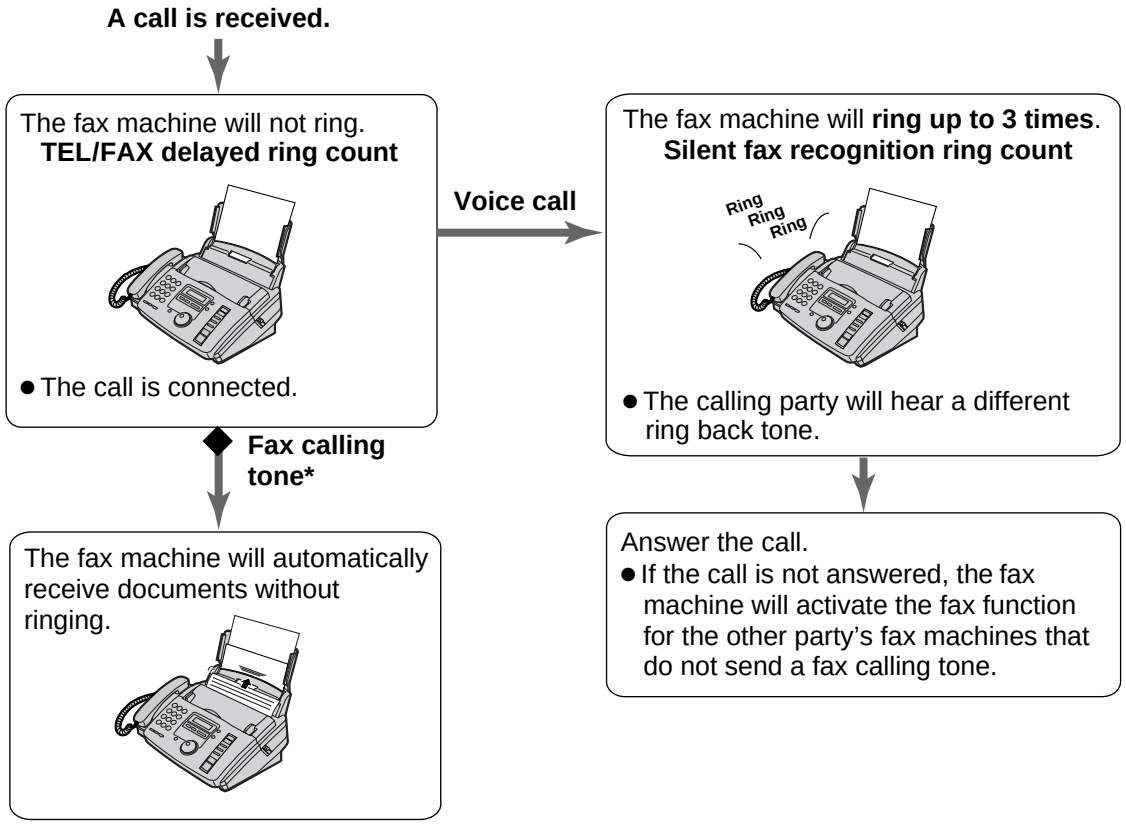


Note:

- Set the TEL mode on the fax machine.
- The device which has the shortest ring count will answer a call first.
- If you use your computer as an answering machine, connect the telephone line cord from the EXT jack to the computer.

TEL/FAX mode (receiving voice calls with rings and fax calls without rings when you are near the unit)

Use this mode when you are always near the fax machine, and want to receive faxes without ringing. When a call is received, the fax machine will work as follows. To set the TEL/FAX mode, see below.


A call is received.
The fax machine will not ring.
TEL/FAX delayed ring count
● The call is connected.
Voice call
The fax machine will ring up to 3 times.
Silent fax recognition ring count
Ring
Ring
Ring
● The calling party will hear a different ring back tone.
Answer the call.
● If the call is not answered, the fax machine will activate the fax function for the other party's fax machines that do not send a fax calling tone.
Fax calling tone*
The fax machine will automatically receive documents without ringing.

* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

** If the fax machine have activated the fax function, press **STOP** on the fax machine in step 2 to talk with the calling party.

To set the TEL/FAX mode

1. Set feature #77 to "TEL/FAX" (p. 53).

2. If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER** .

Display: ▼

ON

Note:

- The fax machine will display the following when a call is received.

Display: INCOMING CALL

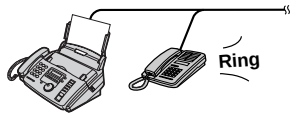
- The ringer should be on (p. 17).

When an extension telephone is connected

A call is received.

The fax machine will not ring but the extension telephone will **ring once**.

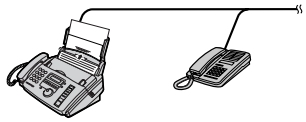
TEL/FAX delayed ring count



- The call is connected.

Fax calling tone*

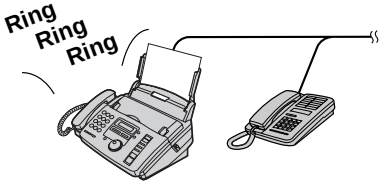
The fax machine will automatically receive documents without ringing.



Voice call

The extension telephone will not ring but the fax machine will **ring up to 3 times**.

Silent fax recognition ring count



- The calling party will hear a different ring back tone.

You can answer the call with the extention telephone.

1. Lift the handset.

2. Enter ✳ **0** (default code) while the ring back tone is heard.**

- The code number can be changed in feature #49 (p. 53).

Answer the call.

- If the call is not answered, the fax machine will activate the fax function for the other party's fax machines that do not send a fax calling tone.

TEL/FAX delayed ring count

This ring signals will be generated before the fax machine answers, depending on the setting of feature #78 on page 53. The fax machine will not generate an audible ring during this time.

Silent fax recognition ring count

The fax machine generates audible rings to indicate that it is receiving a voice call. The rings will be generated, depending on the setting of feature #30 on page 51. This signal will not ring at an extension telephone.

Extension telephone

If you use the fax machine with an extension telephone, you can receive fax documents using the extension telephone.
You do not have to press **FAX START** on the fax machine.

Important:

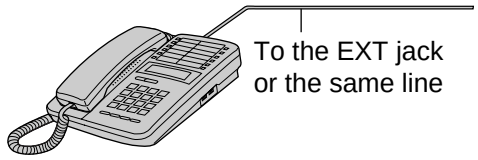
- Use a touch tone telephone as the extension telephone and enter the fax activation code **firmly.**

1 When the extension telephone rings, lift the handset of the extension telephone.

2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press ✳ **9** (pre-selected fax activation code) **firmly**.

3 Hang up the handset.

- The fax machine will start reception.



Extension telephone

Note:

- You can change the fax activation code in feature #41 (p. 52).

Pager call - when the unit receives a fax

This feature allows your unit to call your pager when your unit receives a fax document.

1 Press **MENU**.

Display: `1.SYSTEM SET UP`

2 Press ⌗, then **7** **0**.

`FAX PAGER CALL`

3 Press **SET**.

`MODE=OFF` ↻↺

4 Rotate **JOG DIAL** to select “ON”.

`MODE=ON` ↻↺

- If this feature is not required, select “OFF”.

5 Press **SET**.

`NO.=`

6 Enter your pager number.

- You can enter a total of 46 digits and/or pauses.

Example:

1 202 555 1234PP12345678PP5555#

- Your pager number
- Pauses
- Your pager access code, if required.
- Message you want displayed on your pager when your unit receives a fax.

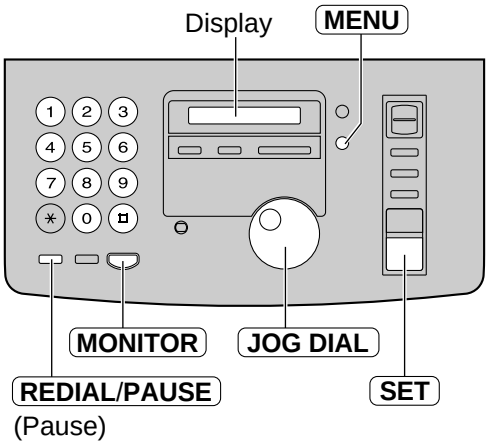
7 Press **SET**.

- The unit will dial the stored number.

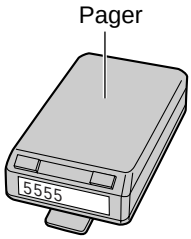
`PAGER TEST`

8 Check that the message is displayed on your pager.

9 Press **MONITOR**.



When your pager receives pager call



Your pager will display the message you entered in step 6 above. (For example: 5555)

Making a copy

The unit can make single or multiple copies (up to 50). Any transmittable document (p. 27) can be copied.

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display: STANDARD

- Make sure the handset is on the cradle.
- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 26).

3 Press **COPY START** .

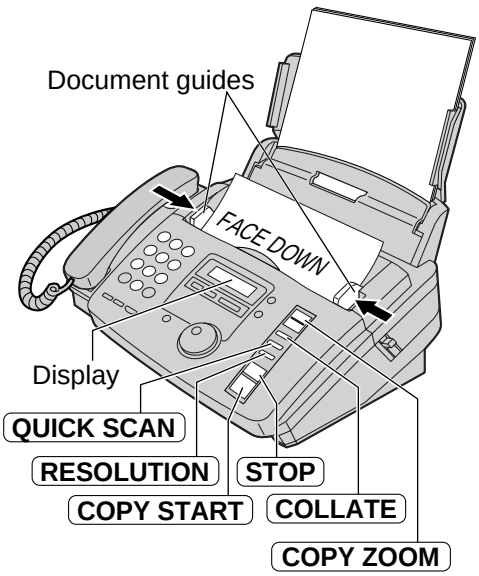
NUMBER=1 [100%]

- If necessary, enter the number of copies (up to 50).
- If necessary, choose an enlargement/ reduction rate by pressing **COPY ZOOM** . See next page.
- If you want to print collated (sorted) copies, press **COLLATE** until the following is displayed.

COLLATE=ON

4 Press **COPY START** .

- The unit will start printing.
- If you want to remove the copy document for other uses, press **QUICK SCAN** instead of **COPY START** . The unit will feed the document and scan it into memory, then start printing.



Note:

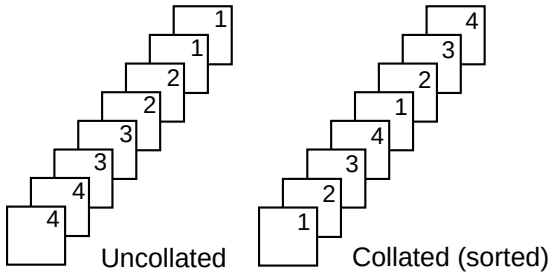
- If a resolution is not selected, “FINE” resolution will automatically be selected.
- You can make or receive a voice call while making copies.
- After copying, the enlargement/reduction rate setting will return to “100%”.

To stop copying

Press **STOP** .

Printing collated (sorted) copies

Example: Making two copies of a 4-page original document



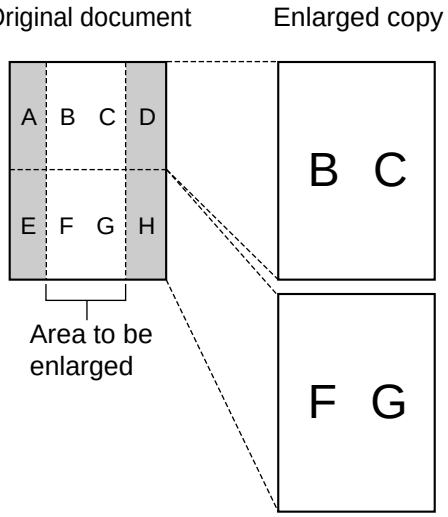
Note:

- If you turn the collating feature on, the unit will store the documents into memory. If memory becomes full while storing, the unit will only print out the stored pages.
- After copying, the collating feature will turn off automatically.

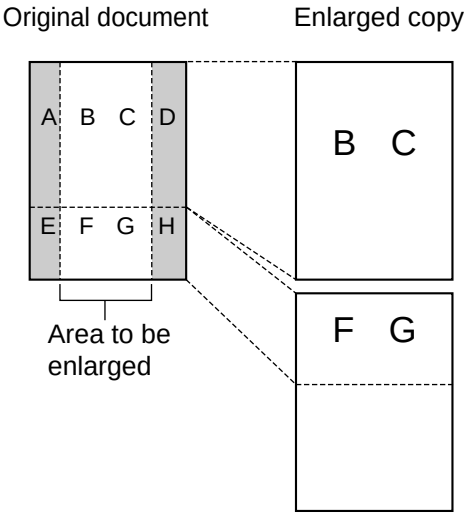
To enlarge a document

Select “200%” or “150%” by pressing **COPY ZOOM** (+). The unit will only enlarge the center part of the document and print it on two pages.

Example of a 200% enlarged copy



Example of a 150% enlarged copy



To reduce a document

The unit can reduce the original document.
Select the desired setting by pressing **COPY ZOOM** (–).

Recommended reduction rates:

Setting	Size of recording paper	Size of original document
100% (default)	A4	A4, Letter
	Letter	Letter
	Legal*	A4, Letter, Legal
92%	Letter	A4
86%	Letter	A4
72%	A4	Legal
	Letter	Legal

Letter = 216 mm x 279 mm (8 1/2″ x 11″)
Legal = 216 mm x 356 mm (8 1/2″ x 14″)
A4 = 210 mm x 297 mm (8 1/4″ x 11 11/16″)
*If you use legal size paper, please purchase a legal paper tray, Model No. KX-FA50 (p. 7) and install it (p. 10).

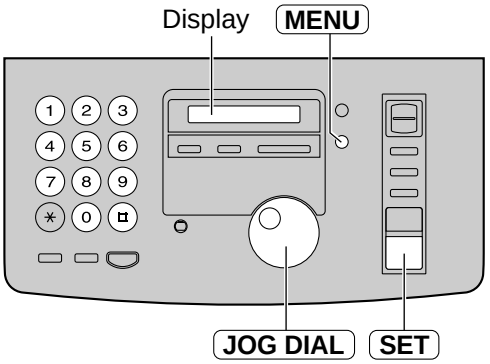
Note:

- If the appropriate reduction rate is not programmed, the document may be divided and the top of the second sheet will be deleted.
- If the image at the bottom of the document is not copied when you copy a document as long as the recording paper, try 92% or 86%.

Programming

The unit provides various programming features. Program the desired setting by referring to the programming tables (p. 49–53).

General programming method



1 Press **MENU**.

Display: `1.SYSTEM SET UP`

2 Select the feature you wish to program.

- **For basic features** (p. 49)
  Rotate **JOG DIAL** until the desired feature is displayed.
- **For advanced features** (p. 50–53)
  Rotate **JOG DIAL** until the following is displayed.

  `ADVANCED MODE`

  Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.

3 Press **SET**.

- The current setting of the feature will be displayed.

4 Rotate **JOG DIAL** until the desired setting is displayed.

- This step may be slightly different depending on the feature.

5 Press **SET**.

- The setting you selected is set, and the next feature will be displayed.

6 To exit programming, press **MENU**.

Programming by entering the program code number directly

You can select a feature by directly entering the program code (# and 2-digit number) instead of using **JOG DIAL**.

1. Press **MENU**.
2. Press ⌗ and 2-digit code number.
3. Follow steps 3 to 6 above.

- See programming tables (p. 49–53) for the code.

To cancel programming

Press **MENU** to exit the program.

Basic features

Programming table

Code	Display & Feature	Settings	How the unit operates
#01	SET DATE & TIME To set the date and time	mm/dd/yy hh:mm (2 digits for each entry)	See page 13 for details.
#02	YOUR LOGO To set your logo	(Up to 30 characters)	See pages 14 and 15 for details.
#03	YOUR FAX NO. To set your facsimile telephone number	(Up to 20 digits)	See page 16 for details.
#04	SENDING REPORT To print and check the sending report for fax transmission result	**ERROR** ON OFF	“ERROR”: The sending report will be printed only when fax transmission fails (p. 28). “ON”: The sending report will be printed out at every transmission.
#06	FAX RING COUNT To change the number of rings before the unit answers a call in the FAX ONLY mode	1, 2, **3**, 4, 5 EXT.TAM	This setting is also available after activating the FAX ONLY mode (p. 39). “5 EXT.TAM” is used when using the unit with an answering machine (p. 40).
#12	REMOTE TAM ACT. If you use the unit with an answering machine, activate this feature and set the remote activation ID for remote operation to secure the remote operation for the answering machine.	ON / ID=**11** **OFF**	To select “ON” and enter ID: **1.** Press **MENU**. **2.** Rotate **JOG DIAL** and select this feature. **3.** Press **SET**. **4.** Rotate **JOG DIAL** to select “ON”. **5.** Press **SET**. **6.** Enter your ID from 1 to 5 digits, using 0–9, ✳ and #. **7.** Press **SET**. **8.** Press **MENU**.
#13	DIALING MODE If you cannot dial, change the setting depending on your telephone line service.	**TONE** PULSE	“TONE”: For tone dial service. “PULSE”: For rotary pulse dial service.
#16	PAPER SIZE To set the recording paper size	**LTR/LEGAL** A4	“LTR/LEGAL”: Letter or Legal size paper “A4”: A4 size paper

(The default setting is in bold type.)

Advanced features

How to set menu options

1. Press **MENU**.
2. Rotate **JOG DIAL** until the following is displayed.

   Display: `ADVANCED MODE`

   Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.
3. Press **SET**.
4. Rotate **JOG DIAL** until the desired setting is displayed.
5. Press **SET**.
6. Press **MENU**.

Note:

- Step 4 may be slightly different depending on the feature.
- See page 48 for more details.

Programming table

Code	Display & Feature	Settings	How the unit operates
#22	`AUTO JOURNAL` To print the journal report automatically for fax communications	**ON**	"ON": The unit will print the journal report automatically after every 30 new fax communications (p. 28).
		OFF	
#23	`OVERSEAS MODE` If you have difficulty sending an overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is slowed down.	NEXT FAX	"NEXT FAX": For the next attempted fax transmission. After transmission, the unit will return to the previous setting. "ERROR": When previous fax transmission fails and you redial the same number. ● This feature is not available for broadcast transmission. ● The calling charge may be higher.
		ERROR	
		OFF	
#25	`DELAYED SEND` To send a fax automatically at a specified time. This allows you to take advantage of low-cost calling hours offered by your telephone company. ● The setting can be reserved to take place up to 24 hours in advance.	ON / fax no. / hh:mm	To send a document: **1.** Insert the document. **2.** Follow steps 1 – 3 above. **3.** Rotate **JOG DIAL** to select "ON". **4.** Press **SET**. **5.** Enter the fax number. **6.** Press **SET**. **7.** Enter the transmission start time. Press * to select "AM" or "PM". **8.** Press **SET**. **9.** Press **MENU**. ● To cancel after programming, press **STOP** then **SET**.
		OFF	

(The default setting is in bold type.)

<table>
<tr><th>Code</th><th>Display & Feature</th><th>Settings</th><th>How the unit operates</th></tr>
<tr><td>#30</td><td>SILENT FAX RING
To change the number of rings when the unit detects a voice call in the TEL/FAX mode</td><td>3, 4, 5, 6</td><td>See pages 42 and 43 for details.</td></tr>
<tr><td rowspan="2">#31</td><td rowspan="2">RING DETECTION
If you subscribe to a Distinctive Ring Service (Identa-Ring) from your telephone company, activate this feature.
This feature is also required for voice mail service.</td><td>A, B, C, D</td><td rowspan="2">Select the ring pattern to be assigned to the facsimile number.
A: Standard ring (one long ring)
B: Double ring (two short rings)
C: Triple ring (short-long-short rings)
D: Other triple ring (short-short-long rings)
● For more information of telephone services, contact your telephone company.</td></tr>
<tr><td>OFF</td></tr>
<tr><td rowspan="4">#36</td><td rowspan="4">RCV REDUCTION
If the size of the document sent by the other party is as large as, or larger than the recording paper, the unit can reduce and print the document.
Select the desired reduction rate.</td><td>100%</td><td rowspan="4"><table><tr><th>Setting</th><th>Recording paper</th><th>Original document</th></tr><tr><td rowspan="2">100%</td><td>A4</td><td>Letter</td></tr><tr><td>Legal</td><td>Letter, A4</td></tr><tr><td rowspan="3">92%</td><td>A4</td><td>A4</td></tr><tr><td>Letter</td><td>Letter</td></tr><tr><td>Legal</td><td>Legal</td></tr><tr><td>86%</td><td>Letter</td><td>A4</td></tr><tr><td rowspan="2">72%</td><td>A4</td><td>Legal</td></tr><tr><td>Letter</td><td>Legal</td></tr></table></td></tr>
<tr><td>92%</td></tr>
<tr><td>86%</td></tr>
<tr><td>72%</td></tr>
<tr><td rowspan="2">#39</td><td rowspan="2">LCD CONTRAST
To adjust the display contrast</td><td>NORMAL</td><td rowspan="2">“NORMAL”: For normal contrast
“DARKER”: Used when the display contrast is too light.</td></tr>
<tr><td>DARKER</td></tr>
<tr><td rowspan="2">#40</td><td rowspan="2">SILENT DETECT.
If you use the unit with an answering machine, and if you wish to receive faxes from older model fax machines, activate this feature.</td><td>ON</td><td rowspan="2">● If the other party’s fax machine does not send a fax calling tone, select “ON”. The unit detects a silent pause and activate fax function.
● If you use an answering machine to give greeting messages and record incoming messages on a single cassette tape, select “OFF”.</td></tr>
<tr><td>OFF</td></tr>
</table>

(The default setting is in bold type.)

(continued)

Advanced features (cont.)

How to set menu options

1. Press **MENU**.
2. Rotate **JOG DIAL** until the following is displayed.

   Display: `ADVANCED MODE`

   Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.
3. Press **SET**.
4. Rotate **JOG DIAL** until the desired setting is displayed.
5. Press **SET**.
6. Press **MENU**.

Note:

- Step 4 may be slightly different depending on the feature.
- See page 48 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#41	`FAX ACTIVATION` If you use an extension telephone and wish to receive a fax using it, activate this feature, and press the code (p. 44).	**ON** / CODE= ✱ **9** OFF	**1.** Follow steps 1 – 3 above. **2.** Rotate **JOG DIAL** to select “ON”. **3.** Press **SET**. **4.** Enter your code from 2 to 4 digits, using 0–9 and ✱. **5.** Press **SET**. **6.** Press **MENU**. ● Do not enter “0000”. ● This code is also used to receive a voice message and a fax in the same call (p. 41).
#44	`RECEIVE ALERT` To alert you with beeps when a received document is stored into memory due to a problem.	**ON** OFF	If you hear slow beeps, clear the printing problem or supply paper to print the stored document. The beeps will stop.
#46	`FRIENDLY RCV` To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).	**ON** OFF	“ON”: You do not have to press **FAX START** for fax reception.

(The default setting is in bold type.)

Code	Display & Feature	Settings	How the unit operates
#49	AUTO DISCONNECT To answer a call with an extension telephone in the TEL/FAX mode	**ON** / CODE= ∗ **0**	See page 43 for details. To program: **1.** Follow steps 1 – 3 on page 52. **2.** Rotate (**JOG DIAL**) to select “ON”. **3.** Press (**SET**). **4.** Enter your code from 2 to 4 digits, using 0–9 and ∗. **5.** Press (**SET**). **6.** Press (**MENU**).
		OFF	
#70	FAX PAGER CALL If you have a pager and wish to know when your unit receives a fax, activate this feature.	ON	See page 45 for details.
		OFF	
#75	IQ-FAX To apply to the NetMoves Global Fax Network and activate the IQ-FAX function	ON	See pages 29 and 30 for details.
		OFF	
#76	CONNECTING TONE If you often have trouble when sending a fax, this feature allows you to hear connecting tones; fax tone, ring back tone and busy tone.	**ON**	You can confirm the status of the other party’s machine. ● If the ring back tone continues, the other party’s machine may not be a facsimile or may have run out of paper. Check with the other party. ● The connecting tone volume cannot be adjusted.
		OFF	
#77	AUTO ANSWER To change the receive mode in the AUTO ANSWER setting	**FAX ONLY**	“FAX ONLY”: Facsimile only mode (p. 39) “TEL/FAX”: Telephone/Facsimile mode (p. 42, 43) ● If you select “TEL/FAX”, the unit will print an information list.
		TEL/FAX	
#78	TEL/FAX RING If you use an extension telephone in the TEL/FAX mode, select the desired number of rings to be generated before the unit answers.	**1**, 2, 3, 4	See pages 42 and 43 for details.
#80	SET DEFAULT To reset the advanced features to their default settings	YES	**1.** Follow steps 1 – 3 on page 52. **2.** Rotate (**JOG DIAL**) to select “YES”. **3.** Press (**SET**). **4.** Press (**SET**) again. **5.** Press (**MENU**).
		NO	

(The default setting is in bold type.)

Reports

If your unit cannot send a fax, check the following.
– The number you dialed is correct.
– The other party's machine is a facsimile.
If the problem remains, correct it by following the communication message printed on the sending and journal reports (p. 28).

Communication message	Error code	Cause & Remedy
COMMUNICATION ERROR	40–42, 46–52, 58, 65, 68, 72, FF	● A transmission or reception error occurred. Try again or check with the other party.
	43 44	● An overseas transmission error occurred. Try using the overseas mode (feature #23 on page 50).
DOCUMENT JAMMED	—	● The document is jammed. Remove the jammed document (p. 63).
ERROR-NOT YOUR UNIT	54 59 70	● A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.
MEMORY FULL	—	● The document was not received due to memory being full.
NO DOCUMENT	—	● The document was not fed into the unit properly. Reinsert the document and try again.
OTHER FAX NOT RESPOND	—	● The other party's fax machine was busy or ran out of recording paper. Try again. ● The document was not fed properly. Reinsert the document and try again. ● The other party's fax machine rings too many times. Send a fax manually – dial the number, confirm the fax tone, and press **FAX START** . ● The other party's machine is not a facsimile. Check with the other party. ● The number you dialed is not in service.
PRESSED THE STOP KEY	—	● **STOP** was pressed and fax communication was canceled.
THE COVER WAS OPENED	—	● The covers were opened. Close them and try again.
OK	—	● Fax communication was successful.

For fax advantage assistance, call 1-800-435-7329.

Display

If the unit detects a problem, one or more of the following messages will appear on the display.

Display message	Cause & Remedy
CALL SERVICE CALL SERVICE2	● There is something wrong with the unit. Contact our service personnel.
CHECK COVER ↕ CHECK FILM	● The covers are open. Close them. ● The ink film is empty. Replace the ink film with a new one (p. 64, 65). ● The ink film is not installed. Install it (p. 64, 65). ● The ink film is slack. Tighten it (see step 6 on page 65).
CHECK DOCUMENT	● The document is not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 66) and try again. If the problem remains, adjust the feeder pressure (p. 63).
CHECK MEMORY	● Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
CHECK PAPER	● The recording paper is not installed or the unit has run out of paper. Install paper and press **SET** to clear the message. ● The recording paper is not fed into the unit properly. Reinstall paper (p. 11) and press **SET** to clear the message. ● The recording paper has jammed near the recording paper entrance. Clear the jammed paper (p. 62) and press **SET** to clear the message. Do not install folded or heavily curled paper.
FAX IN MEMORY	● The unit has a document in memory. See the other displayed message instructions to print out the document.
FAX MEMORY FULL	● Memory is full of received documents due to a lack of recording paper or a recording paper jam etc. Install paper or clear the jammed paper. ● When performing memory transmission, the document being stored exceeds the memory capacity of the unit. Transmit the entire document manually.
JOG-DIAL FULL	● There is no space to store new stations in the JOG DIAL directory. Erase unnecessary stations (p. 23).
LOADING ERROR	● A loading error occurred while receiving data from NetMoves. Contact NetMoves at 1-888-332-9728.

(continued)

Error Messages

Display message	Cause & Remedy
MEMORY FULL	● When making a copy, the document being stored exceeds the memory capacity of the unit. Press **STOP** to clear the message. Divide the document and try again.
MODEM ERROR	● There is something wrong with the modem circuit. Contact our service personnel.
NO FAX REPLY	● The other party's fax machine is busy or has run out of recording paper. Try again.
PAPER JAMMED	● A recording paper jam occurred. Clear the jammed paper (p. 62).
PLEASE WAIT	● The unit is checking that there is no slack on the ink film. Wait for a while.
REDIAL TIME OUT	● The other party's fax machine is busy or has run out of recording paper. Try again.
REMOVE DOCUMENT	● The document is jammed. Remove the jammed document (p. 63). ● Attempted to transmit a document longer than 600 mm (23⅝″). Press **STOP** to remove the document. Divide the document into two or more sheets and try again.
TRANSMIT ERROR	● A transmission error occurred. Try again.
UNIT OVERHEATED	● The unit is too hot. Let the unit cool down.

For fax advantage assistance, call 1-800-435-7329.

When a function does not work, check here before requesting help

General

Problem	Cause & Remedy
I cannot make and receive calls.	● The power cord or telephone line cord is not connected. Check the connections (p. 12). ● If you used a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter.
I cannot make calls.	● The dialing mode setting is wrong. Change the setting of feature #13 (p. 49).
The unit does not work.	● Disconnect the unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.
The unit does not ring.	● The ringer volume is set to off. Adjust it to a suitable level (p. 17).
The unit displays the following message though the paper is inserted. CHECK PAPER	● The paper is inserted halfway. Insert it correctly (p. 11) and press **SET** to clear the message.
The other party complains they only hear a fax tone and cannot talk.	● The FAX ONLY mode is set. Tell them the number is only used for faxes or change to TEL or TEL/FAX mode (p. 37).
The REDIAL/PAUSE button does not function properly.	● If this button is pressed during dialing, a pause will be inserted. If pressed immediately after a dial tone is obtained, the last number dialed will be redialed.
The receive mode does not function as explained on pages 36 and 37.	● A Distinctive Ring pattern of feature #31 is set (p. 51). ● The TEL/FAX mode is set (p. 42, 43).
During programming, I cannot enter the code or ID number.	● All or part of the numbers are the same. Change the code or ID number of features #12 (p. 49), #41 (p. 52), and #49 (p. 53).
The ink film runs out quickly.	● The HELP printing function, copy function, and reports also use ink film.
The unit beeps.	● Recording paper or ink film has run out. Press **STOP** to stop the beeps and install paper/ink film.

Fax – sending

Problem	Cause & Remedy
I cannot send documents.	● The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 12). ● The other party's fax machine is busy or has run out of recording paper. Try again. ● The other party's machine is not a facsimile. Check with the other party. ● The other party's fax machine rings too many times. Send a fax manually – dial the number, confirm the fax tone, then press **FAX START** .
The other party complains that letters on their received document are distorted or not clear.	● If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services. ● The extension telephone on the same line is off the hook. Hang up the extension telephone and try again. ● Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.
The other party complains that dirty patterns or black lines appear on their received document.	● The glass or rollers are dirty. Clean them (p. 66).
I cannot make an international fax call.	● Use the overseas transmission mode of feature #23 (p. 50). ● Add two pauses at the end of the telephone number (p. 19) or dial manually.

Fax – receiving

Problem	Cause & Remedy
I cannot receive documents.	● The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 12).
I cannot receive documents automatically.	● The receive mode is set to the TEL mode. Set to the FAX ONLY or TEL/FAX mode (p. 36, 37). ● The time taken to answer the call is too long. Decrease the number of rings of features #06 (p. 49), #30 (p. 51) and #78 (p. 53).
The display shows the following massage but faxes are not received. `CONNECTING.....`	● The incoming call is not a fax. Change the receive mode to the TEL mode (p. 37).

(continued)

For fax advantage assistance, call 1-800-435-7329.

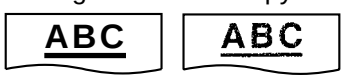
Fax – receiving (cont.)

Problem	Cause & Remedy
The recording image is faint.	● The other party sent a faint document. Ask them to send a clearer copy of the document. ● The thermal head is dirty. Clean it (p. 67).
The printing quality is poor.	● Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill® Jet Print for clearer printing. ● Check the document of the other party.
A blank sheet is ejected.	● If a blank sheet is ejected after the received document is printed out, the receiving reduction rate is not programmed correctly. Program the proper rate in feature #36 (p. 51). ● The other party placed the document in their fax machine the wrong way. Check with the other party.

Receive mode

Problem	Cause & Remedy
I cannot select the desired receive mode.	● If you want to set the FAX ONLY or TEL/FAX mode: — Select the desired mode using feature #77 (p. 53), and — Press **AUTO ANSWER** to turn on the arrow (▼) on the right of the display. Display: ▼ (ON) ● If you want to set the TEL mode: — Press **AUTO ANSWER** to turn off the arrow (▼) on the right of the display. (ON)
The other party complains that they cannot send a document.	● The unit is not in AUTO ANSWER mode. Press **AUTO ANSWER** to turn on the arrow (▼) on the right of the display. ▼ (ON)

Copying

Problem	Cause & Remedy
The unit does not make a copy.	● You cannot make a copy during programming. Make the copy after programming or stop the programming.
A dirty pattern or a black line appears on the copied document.	● The glass or rollers are dirty. Clean them (p. 66).
The copied image is distorted.	● The thermal head is dirty. Clean it (p. 67).
The printing quality is poor.	● Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill® Jet Print for clearer printing.
The printing is faint. Original Copy 	● You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill® Jet Print for clearer printing.

Using an answering machine

Problem	Cause & Remedy
I cannot receive documents automatically.	● Your greeting message on the answering machine is too long. Shorten the message (up to 10 seconds). ● The answering machine rings too many times. Set to 1 or 2 rings. ● The silent detection feature is deactivated. Activate feature #40 (p. 51).
I cannot receive voice messages.	● Check if the answering machine is turned on and connected to the fax machine properly (p. 40). ● Set the number of rings on the answering machine to 1 or 2.
I cannot retrieve recorded voice messages on the answering machine from a remote location.	● The remote access code on your answering machine is the same as your fax activation code. Set a different number for features #12 (p. 49) and #41 (p. 52). ● You did not program your remote access code in your fax machine correctly. Program the same code that is programmed on the answering machine to the fax machine with feature #12 (p. 49).
The greeting message on the answering machine is interrupted halfway and the caller cannot leave a voice message.	● The greeting message has a silent pause longer than 4 seconds. Re-record the greeting message.

(continued)

For fax advantage assistance, call 1-800-435-7329.

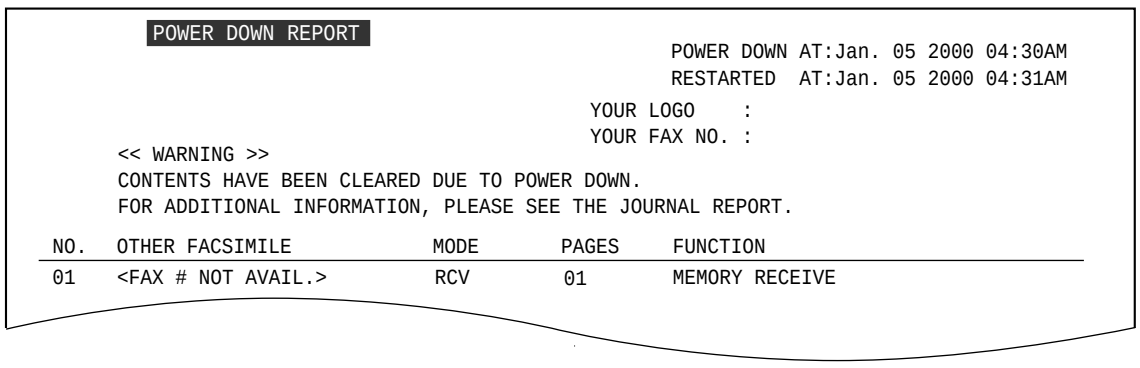
Using an answering machine (cont.)

Problem	Cause & Remedy
I pressed the remote access code to access the answering machine remotely, but the line was disconnected.	● The code may include "#" which is used for certain features provided by telephone companies. Change the code on the answering machine to another number which does not include "#". Also change the code of the fax machine with feature #12 (p. 49).
Callers complain that their voice message is interrupted halfway and they cannot leave a message.	● Advise the caller not to pause for over 4 seconds while recording their voice message.
Callers complain that they cannot send a document.	● Your answering machine has run out of recording tape. Rewind the tape to record messages. ● You set the answering machine to only give a greeting message.
When I answer a call with the extension telephone, the fax machine switches to the fax mode and I cannot talk with the other party.	● You paused for over 4 seconds during the conversation. Do not pause for more than 4 seconds, or turn off feature #40 (p. 51).

If a power failure occurs

- The unit will not function.
- Fax transmission and reception will be interrupted.
- If delayed transmission of feature #25 (p. 50) is programmed and the start time has passed during a power failure, transmission will be attempted soon after power is restored.
- If an extension telephone/answering machine is connected to the EXT jack of fax machine, you may be able to use it during a power failure.
- If fax documents are stored in memory, they will be lost. When power is restored, a power down report will be printed out stating which contents in memory have been erased.

Sample of a power down report



POWER DOWN REPORT

POWER DOWN AT:Jan. 05 2000 04:30AM
RESTARTED AT:Jan. 05 2000 04:31AM

YOUR LOGO :
YOUR FAX NO. :

<< WARNING >>
CONTENTS HAVE BEEN CLEARED DUE TO POWER DOWN.
FOR ADDITIONAL INFORMATION, PLEASE SEE THE JOURNAL REPORT.

NO.	OTHER FACSIMILE	MODE	PAGES	FUNCTION
01	<FAX # NOT AVAIL.>	RCV	01	MEMORY RECEIVE

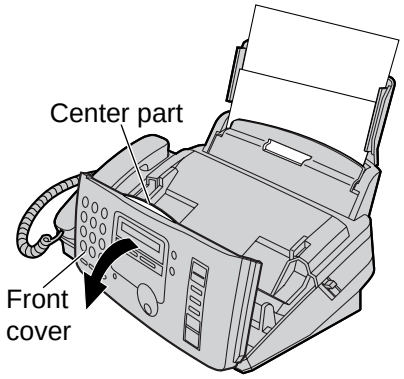
Recording paper jam

If the unit does not eject any recording paper during fax reception or copying, the recording paper has jammed and the display will show the following message.

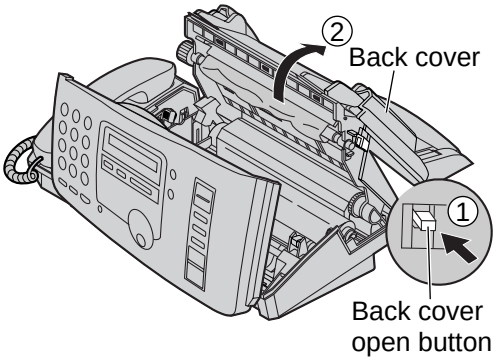
Display: PAPER JAMMED

Remove the jammed paper as follows.

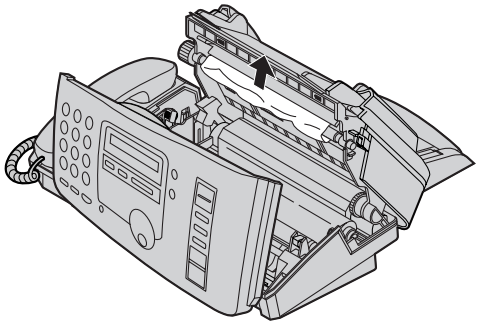
1 Open the front cover by pulling up the center part.



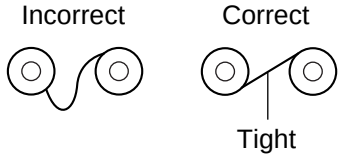
2 Push the back cover open button (①) and open the back cover (②).

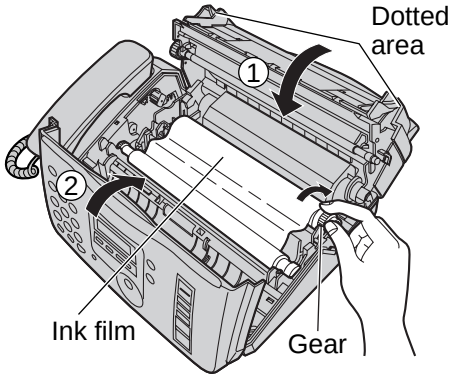


3 Remove the jammed recording paper.



4 If the ink film is slack, tighten it by winding the gears.





5 Close the back cover securely by pushing down on the dotted area at both ends (①). Close the front cover securely (②).

For fax advantage assistance, call 1-800-435-7329.

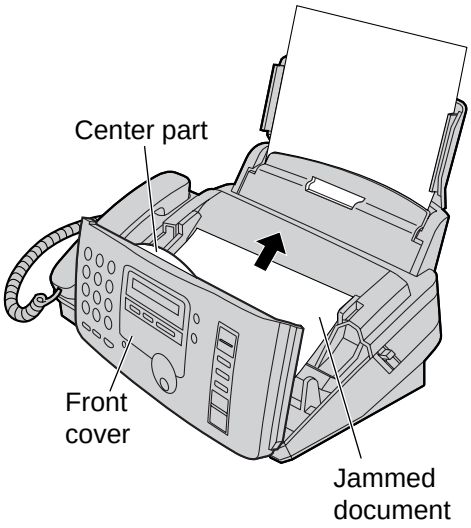
Sending document jams

If the unit does not release the document during feeding, remove the jammed document as follows.

1 Open the front cover by pulling up the center part.

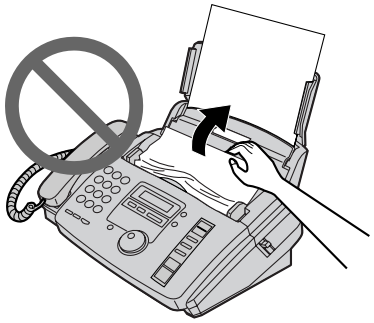
2 Remove the jammed document carefully.

3 Close the front cover securely.



Note:

- Do not pull out the jammed paper forcibly before opening the front cover.



Sending document does not feed, or multi-feeds

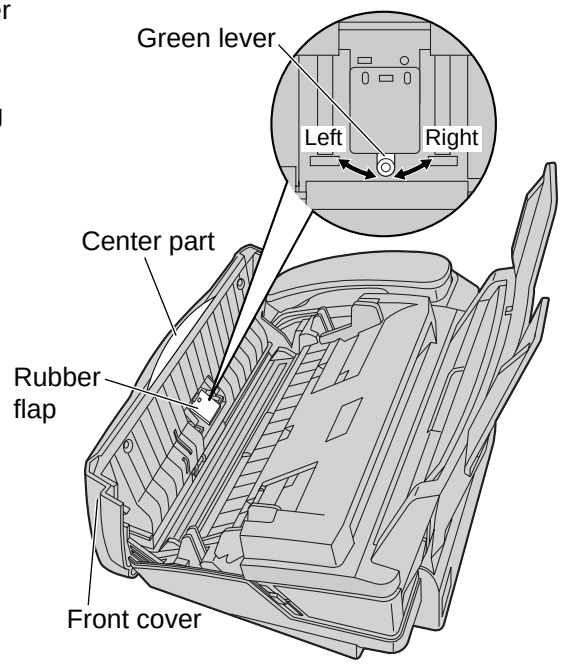
If no feeding or multiple feeding occurs frequently, adjust the feeder pressure.

1 Open the front cover by pulling up the center part.

2 Shift the position of the green lever by using an instrument with a pointed end, such as a paper clip.

Left: When documents multiple feed.
Center: Standard position (pre-selected)
Right: When documents do not feed.

3 Close the front cover securely.



Note:

- When shifting the green lever, do not touch the rubber flap.

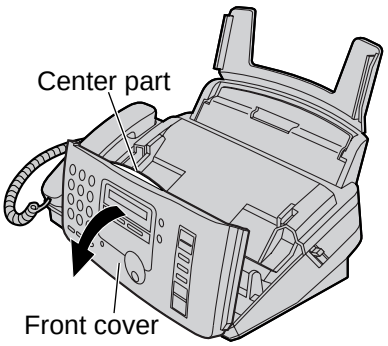
Replacing the ink film

When the unit runs out of ink film, the following message will be displayed.

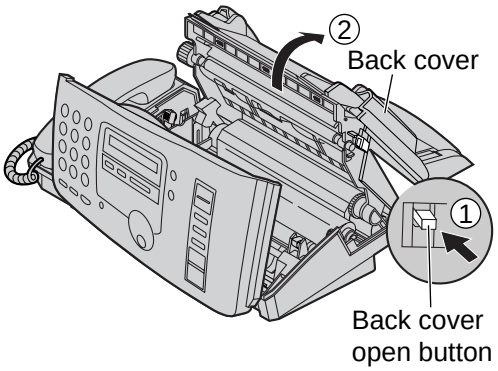
Display: `CHECK FILM`

Install a new ink film. The following ink films are available for replacement. Each roll prints about 150 letter size pages or 140 A4 size pages. See page 7 for accessory order information.
Model No. KX-FA53: Replacement film (1 roll)
Model No. KX-FA55: Replacement film (2 rolls)

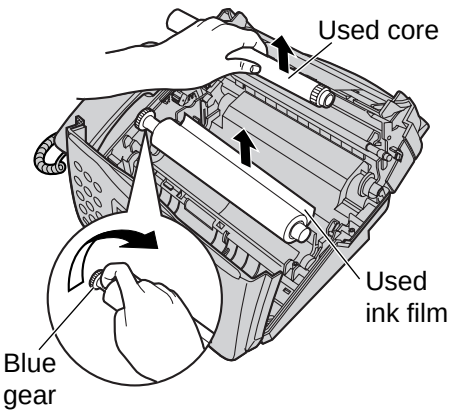
1 Open the front cover by pulling up the center part.



2 Push the back cover open button (①) and open the back cover (②).

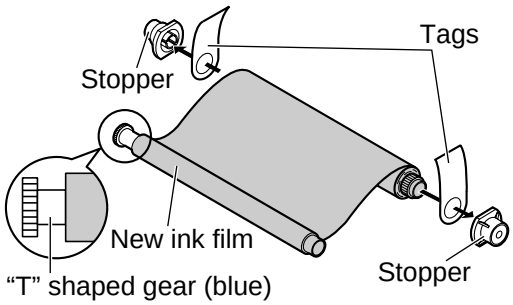


3 Pull up the blue gear side and remove the used ink film. Remove the used core.

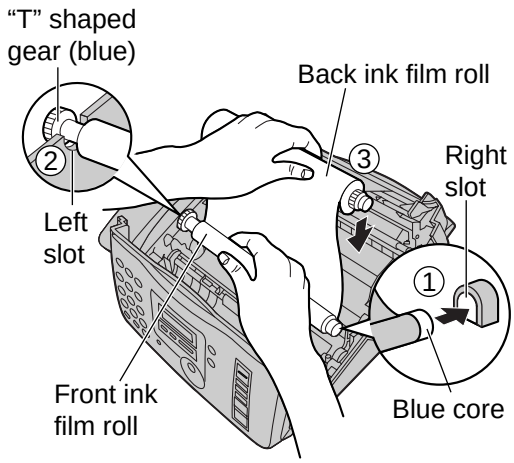


For fax advantage assistance, call 1-800-435-7329.

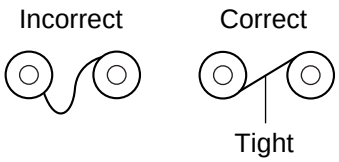
4 Remove the stoppers and tags from the new ink film. Find the “T” shaped gear (blue).

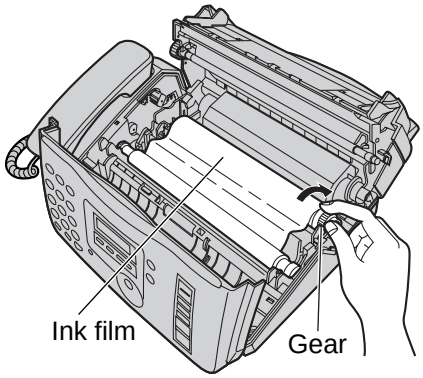


5 Insert the blue core of the front ink film roll into the right slot of the unit (①). Insert the “T” shaped gear (blue) into the left slot of the unit (②).
Insert the back ink film roll (③).



6 If the ink film is slack, tighten it by winding the gear.

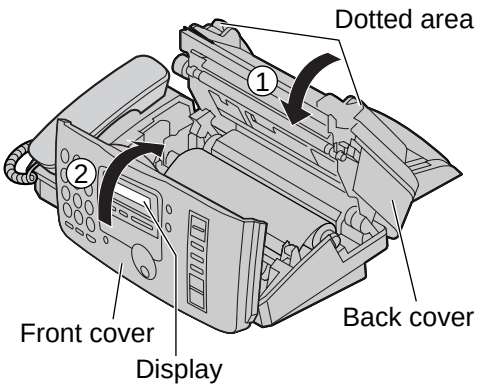




7 Close the back cover securely by pushing down on the dotted area at both ends (①). Close the front cover securely (②).

- The following message will be displayed while the unit is checking that there is no slack on the ink film.

Display: `PLEASE WAIT`



Note:

- The ink film is completely safe to touch, and will not rub off on your hands like carbon paper.

Document feeder

If misfeeding occurs frequently or if dirty patterns or black bands appear on a transmitted document or on the original of a copied document, clean the document feeder.

1 **Disconnect the power cord and the telephone line cord.**

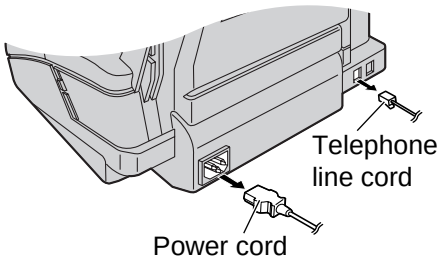
2 Open the front cover by pulling up the center part.

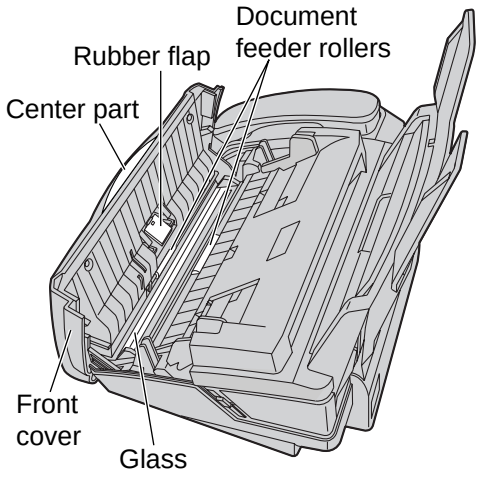
3 Clean the document feeder rollers and rubber flap with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.

4 Clean the glass with a soft dry cloth.

5 Close the front cover securely.

6 Connect the power cord and the telephone line cord.





Caution:

- **Do not use paper products, such as paper towels or tissues, to clean the inside of the unit.**

For fax advantage assistance, call 1-800-435-7329.

Thermal head

If dirty patterns or black or white bands appear on a copied or received document, clean the thermal head.

1 **Disconnect the power cord and the telephone line cord.**

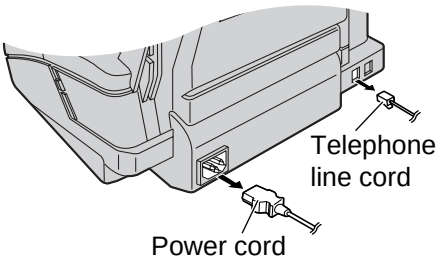
2 Open the front cover by pulling up the center part.

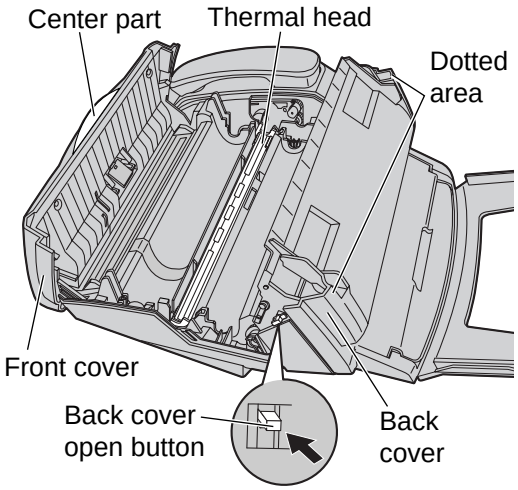
3 Open the back cover by pushing the back cover open button.

4 Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, and let it dry thoroughly.

5 Close the back cover securely by pushing down on the dotted area at both ends. Close the front cover securely.

6 Connect the power cord and the telephone line cord.





Caution:

- **To prevent malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head directly with your fingers.**

Reference lists and reports

You can print out the following lists and reports for your reference.

Setup list: provides you with the current settings of the basic and advanced programming features (p. 49–53).

Telephone number list: provides you with names and telephone numbers which are stored in the JOG DIAL directory. The telephone number codes are as shown below.

P: A pause has been entered.
F: A flash has been entered.

Journal report: keeps records of fax transmissions and receptions. This report will be printed automatically after every 30 fax communications (p. 28).

Printer test list: allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the thermal head (p. 67).

Broadcast programming list: provides you with names and telephone numbers which are stored in broadcast feature (p. 33).

1 Press **MENU** two times.

Display: `2.PRINT REPORT`

2 Rotate **JOG DIAL** until the desired item is displayed.

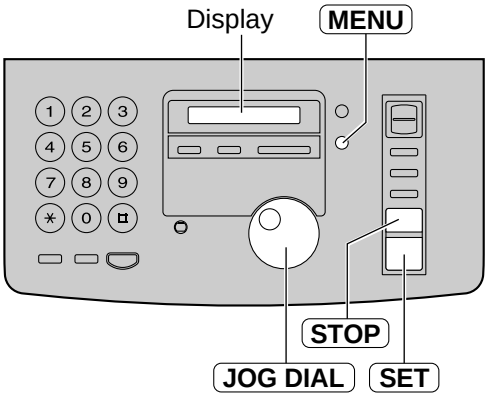
`SETUP LIST`

`TEL NO. LIST`

`JOURNAL REPORT`

`PRINTER TEST`

`BROADCAST LIST`



3 Press **SET** to start printing.

`PRINTING`

- To stop printing, press **STOP**.
- After printing, the printed item will be displayed.

4 Press **MENU**.

List of FCC requirements and information

If required by the telephone company, inform them of the following.

- FCC Registration No.:
  (found on the rear of the unit)
- Ringer Equivalence No.:
  (found on the rear of the unit)
- The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):
This REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:

a) Promptly notify the customer.
b) Give the customer an opportunity to correct the problem with their equipment.
c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

When programming emergency numbers and/or making test calls to emergency numbers:

1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours; such as early morning or late evenings.

This telephone provides magnetic coupling to hearing aids.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way, Secaucus,
New Jersey 07094

Panasonic Sales Company Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

PANASONIC
Model No. KX-FP81
Facsimile Products

Limited Warranty

Have any questions? CALL 1-800-HELP-FAX (1-800-435-7329) on:
How to operate the unit,
How to get repair service,
How to get supplies.

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor"), will repair this product with new or refurbished parts, free of charge, in the USA or Puerto Rico for 6-month limited warranty from the date of original purchase in the event of a defect in materials or workmanship.

This Limited Warranty Excludes both Labor and Parts for: batteries, antennas, and cosmetic parts (cabinet).

Carry-in or mail-in service in the USA or Puerto Rico can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-HELP-FAX (1-800-435-7329) to locate a PASC Factory Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in material or workmanship which occur during normal use and (when applicable) does not cover the ink film, the toner cartridge and drum unit or the print and ink film. The inability of this product to interface with any specific computer is not a manufacturing defect and is outside of the scope of this Limited Warranty. In no event shall the warrantor be liable by reason of such incompatibility. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor such as non Panasonic ink film, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, improper operation or maintenance, alteration, modification, power line surge, improper voltage supply, lightning damage, signal reception problems, rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.
THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the company address indicated above.

Servicenter Directory

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact: 1-800-HELP-FAX (1-800-435-7329), Monday-Friday 9am - 8pm EST.

Web Site: www.panasonic.com
(for customers in the USA or Puerto Rico ONLY)
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Factory Servicenters Locations

CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630

800 Dubuque Avenue
S. San Francisco,
CA 94080

20201 Sherman Way
Suite 102
Canoga Park, CA 91306

3878 Ruffin Road
Suite A
San Diego, CA 92123

COLORADO
1640 South Abilene Street
Suite D
Aurora, CO 80012

FLORIDA
3700 North 29th Avenue
Suite 102
Hollywood, FL 33020

GEORGIA
8655 Roswell Road
Suite 100
Atlanta, GA 30350

ILLINOIS
9060 Golf Road
Niles, IL 60714

1703 North Randall Road
Elgin, IL 60123
(Pick-up / Drop-off only)

MARYLAND
62 Mountain Road
Glen Burnie, MD 21061

MASSACHUSETTS
60 Glacier Drive
Suite G
Westwood, MA 02090

MICHIGAN
37048 Van Dyke Avenue
Sterling Heights, MI 48312

MINNESOTA
7850-12th Avenue South
Airport Business Center
Bloomington, MN 55425

OHIO
2236 Waycross Road
Civic Center Plaza
Forest Park, OH 45240

PENNSYLVANIA
2221 Cabot Blvd. West
Suite B
Langhorne, PA 19047

TENNESSEE
3800 Ezell Road
Suite 806
Nashville, TN 37211

TEXAS
13615 Welch Road
Suite #101
Farmers Branch,
TX 75244

WASHINGTON
20425-84th Avenue South
Kent, WA 98032

HAWAII
99-859 Iwaiwa Street
Aiea, Hawaii 96701
Phone (808) 488-1996
Fax (808) 486-4369

Service in Puerto Rico
Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/ Factory Servicenter:
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300 Fax (787) 768-2910

As of Jan. 2000

Notes for product service and shipping the product

For product service

- Servicenters are listed on page 71.
- Call toll-free 1-800-HELP-FAX (1-800-435-7329) for the location of an authorized servicenter.
- After the fax advantage program, please contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262). If you have difficulty reaching this number, it may be blocked by your phone company. Please contact your local phone company to correct this.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom or problem, to the outside of the carton.
- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company or to any executive or regional sales offices. These locations do not repair consumer products.

Energy Star

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
ENERGY STAR is a U.S. registered mark.

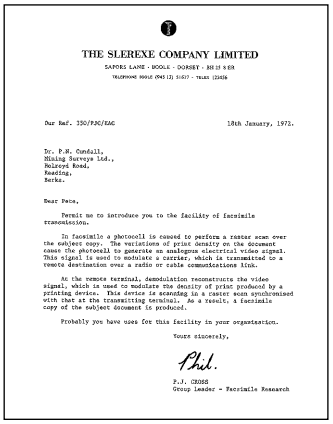
Technical data about this product

Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8½″) in width Max. 600 mm (23⅝″) in length
Effective Scanning Width:	208 mm (8⅜″)
Recording Paper Size:	Letter: 216 mm x 279 mm (8½″ x 11″) Legal: 216 mm x 356 mm (8½″ x 14″) A4: 210 mm x 297 mm (8¼″ x 11¹¹⁄₁₆″)
Effective Printing Width:	208 mm (8⅜″)
Transmission Time*:	Approx. 15 s/page (Original mode)**
Scanning Density:	Horizontal: 8 pels/mm (203 pels/inch) Vertical: 3.85 lines/mm (98 lines/inch) –“STANDARD” mode 7.7 lines/mm (196 lines/inch) –“FINE”/“HALF TONE” mode 15.4 lines/mm (392 lines/inch) –“SUPER FINE” mode
Halftone Level:	64-level
Scanner Type:	Contact Image Sensor (CIS)
Printer Type:	Thermal Transfer on plain paper
Data Compression System:	Modified Huffman (MH), Modified READ (MR)
Modem Speed:	9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment:	5 °C – 35 °C (41 °F – 95 °F), 20 % – 80 % RH (Relative Humidity)
Dimensions (H x W x D):	185 mm x 345 mm x 276 mm (7⁹⁄₃₂″ x 13¹⁹⁄₃₂″ x 10⅞″)
Mass (Weight):	Approx. 3.2 kg (8.5 lb.)
Power Consumption:	Standby: Approx. 3.3 W Transmission: Approx. 16 W Reception: Approx. 42 W (When receiving a 20% black document) Copy: Approx. 42 W (When copying a 20% black document) Maximum: Approx. 135 W (When copying a 100% black document)
Power Supply:	120 V AC, 60 Hz
Memory Capacity:	Approx. 28 pages of memory reception Approx. 25 pages of memory transmission (Based on the ITU-T No. 1 Test Chart in standard resolution.)

* Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party’s machine.

** The 15 second speed is based upon the ITU-T No. 1 Test Chart and original mode.
If the capability of the other party’s machine is inferior to your unit, the transmission time may be longer.

ITU-T No. 1 Test Chart



THE SLEREXE COMPANY LIMITED

Our Ref. 350/PJC/EAC 18th January, 1973.

Dr. P.H. Cundall,
Mining Surveys Ltd.,
Malpas Road,
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

Note:

- Any details given in these instructions are subject to change without notice.
- The pictures and illustrations in these instructions may vary slightly from the actual product.

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Panasonic
KX-FP81
Proof of Purchase

Panasonic FAX ADVANTAGE PROGRAM

Free peace of mind, direct from Panasonic

NO EXTRA COST

Panasonic
FAX ADVANTAGE PROGRAM

- ***6-month limited warranty[1] parts & labor***
- ***Toll-free help line***
- ***Free overnight replacement[3] and repair program***

The Panasonic Fax Advantage Consumer Service Program.

Panasonic knows that if your fax machine is not up and running, neither is your business. That's why we created the Panasonic Fax Advantage Program. Included at no extra cost with the purchase of a Panasonic Fax Machine, the Fax Advantage Program can provide a free replacement unit[3] overnight if your original unit is in need of repair.

Here's how it works:

1. If you have a problem with your fax while it is covered by the six-month limited warranty[1], call our toll-free help-line at 1-800-HELP-FAX[2].
2. Talk to one of our technical experts to diagnose your problem over the phone.
3. If repairs are necessary and you are entitled to service under the terms and conditions of the limited warranty[4], we will send a refurbished replacement unit to you overnight or second business day delivery, depending on the time of your call.

A second option available under our six-month limited warranty is to mail-in or carry-in your fax to one of our Regional Service centers, where the unit will be repaired and returned to you.

Instructions

If you choose to receive a replacement unit under the Fax Advantage Program, Panasonic will provide a replacement unit which will be completely refurbished, quality-tested by Panasonic technicians and individually hand-inspected before it is shipped to you. You will keep the replacement unit and send the original unit to us in the replacement unit's box. UPS will pick up the unit at no charge to you, should it be determined that you are entitled to warranty service. A proof-of-purchase must be included with the returned product. Any unit that is replaced by Panasonic and not shipped with proper proof-of-purchase by you will be subject to a minimum $100.00 charge. The original unit must be properly packaged in the same manner as the replacement unit, utilizing the packing materials provided. Damage due to improper or inadequate packing will be charged to you as an out-of-warranty cost. If our 1-800-HELP-FAX technicians determine that your unit may be an "out-of-box failure"[5], we will attempt to provide you with a factory-new replacement unit[6]. You must ship a copy of your receipt with your original unit to verify that you purchased the unit within 10 days prior to your 1-800-HELP-FAX call.

Requirements

You must give our technicians a valid credit card number (Discover, VISA, Master Card, or American Express/Optima). Product that is not returned to Panasonic by 10 business days after shipment of the replacement product will be charged to your credit card account at Panasonic's Suggested Retail Price (see dealer for details). If your original unit is not eligible for warranty service, your card will be charged for the non-warranty repair of the unit at Panasonic's current rate for parts and labor and for any shipping charges associated with this program. If you do not wish to pay out-of-warranty repair costs, you will be responsible for returning the replacement unit to Panasonic and for paying all shipping charges associated with this program including the overnight delivery of the replacement product to you, shipment of the problem unit to Panasonic, shipment of the replacement unit back to Panasonic and the return of your original unit back to you. Credit status will be verified prior to sending the replacement product.

1. See dealer for limited warranty details.
2. After the fax advantage program, contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262), for fee based technical support.
3. Replacement unit is refurbished.
4. Replacement program excludes Puerto Rico and is subject to termination at any time without advance notice.
5. "Out-of-box failure" is an inoperable unit that was purchased no more than 10 days prior to your 1-800-HELP-FAX call, and would otherwise qualify for warranty service under the terms and conditions of the limited warranty.
6. Panasonic reserves the right to send a refurbished unit.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way, Secaucus,
New Jersey 07094

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Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
Puerto Rico 00985

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